

Data File : VU036572.D
Acq On : 28 Jan 2020 12:30
Operator : JC/MD
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Quant Time: Jan 29 06:10:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 02:33:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	149408	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	137956	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	64126	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33206	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	33669	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.59	65	14786	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	4.69	46	82991	45.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	5.11	84	71111	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.75	65	38661	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.77	84	156831	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.73	67	50674	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	152355	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.21	79	20234	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.67	63	100213	53.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.72%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41431	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	56294	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2960	0.270 ug/L	99
3) Chloromethane	1.54	50	3224	0.279 ug/L	99
5) Vinyl chloride	1.62	62	3243	0.258 ug/L #	73
6) Bromomethane	1.87	94	2152	0.295 ug/L	92
8) Chloroethane	1.95	64	2265	0.292 ug/L	86
9) Trichlorofluoromethane	2.16	101	3737	0.256 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	2602	0.289 ug/L	97
12) 1,1-Dichloroethene	2.61	96	2621	0.293 ug/L #	1
13) Acetone	2.67	43	5850	4.335 ug/L	88
14) Carbon disulfide	2.82	76	7087	0.252 ug/L	97
16) Methylene chloride	3.08	84	7979	0.657 ug/L	94
17) Methyl tert-butyl Ether	3.41	73	5598	0.250 ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	2605	0.272 ug/L	86
19) 1,1-Dichloroethane	3.92	63	4262	0.255 ug/L	98
21) 2-Butanone	4.77	43	4991	2.287 ug/L	87
22) cis-1,2-Dichloroethene	4.71	96	2877	0.269 ug/L	84
23) Bromochloromethane	5.02	128	1135	0.252 ug/L	90

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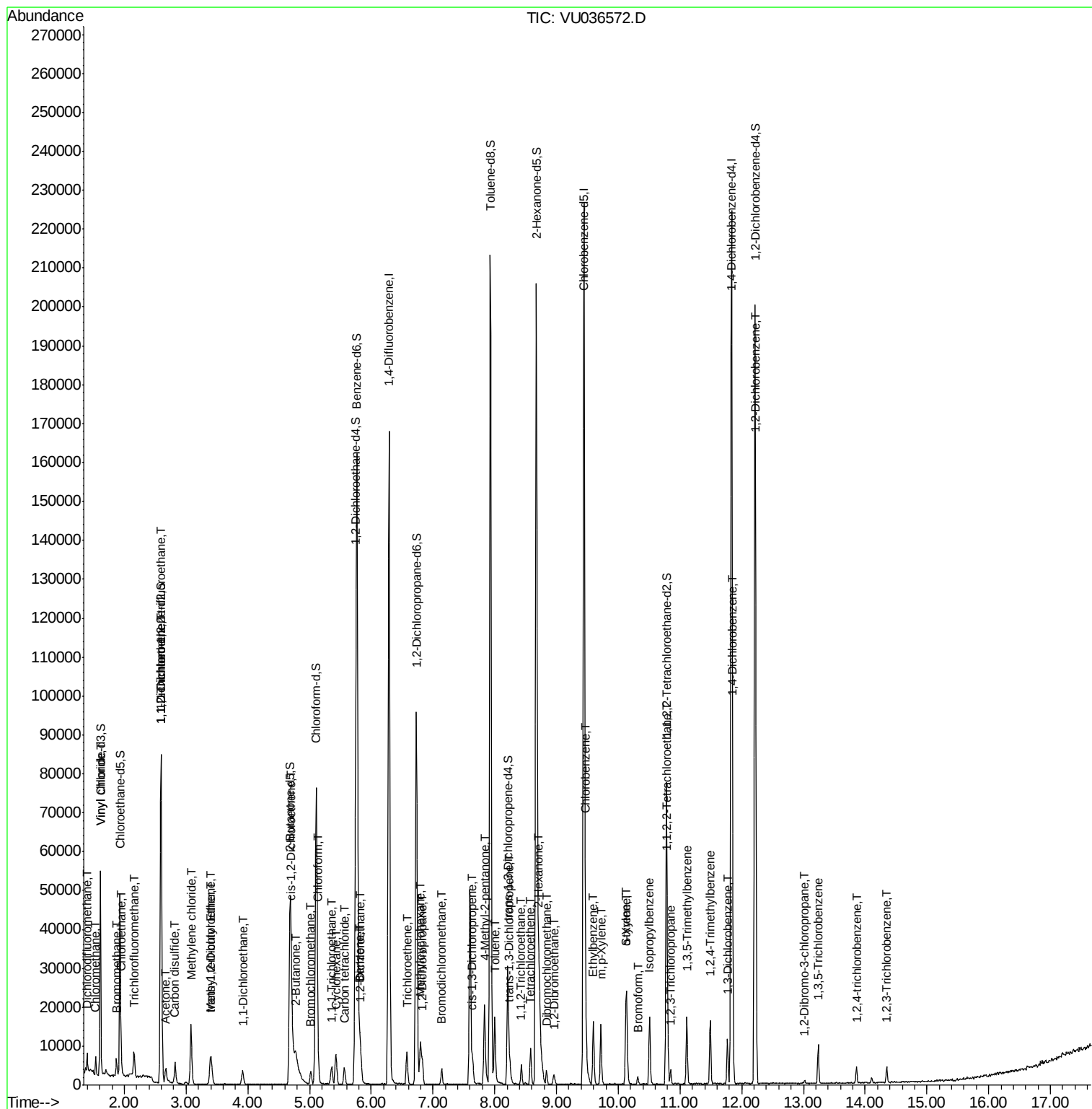
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.14	83	4808	0.288	ug/L	87
27) 1,2-Dichloroethane	5.84	62	2769	0.265	ug/L #	72
29) 1,1,1-Trichloroethane	5.36	97	3581	0.260	ug/L	96
30) Cyclohexane	5.43	56	3949	0.251	ug/L	98
31) Carbon tetrachloride	5.56	117	2971	0.254	ug/L	99
33) Benzene	5.82	78	10325	0.266	ug/L	100
34) Trichloroethene	6.58	95	2850	0.278	ug/L	93
35) Methylcyclohexane	6.80	83	4679	0.266	ug/L	95
37) 1,2-Dichloropropane	6.83	63	2445	0.254	ug/L #	88
38) Bromodichloromethane	7.14	83	3069	0.261	ug/L #	99
39) cis-1,3-Dichloropropene	7.64	75	3712	0.250	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	14808	2.731	ug/L	99
42) Toluene	8.00	91	12592	0.294	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	3369	0.294	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	1769	0.248	ug/L	90
47) Tetrachloroethene	8.58	164	2277	0.272	ug/L	95
48) 2-Hexanone	8.72	43	13118	3.507	ug/L #	91
49) Dibromochloromethane	8.84	129	2004	0.246	ug/L	100
50) 1,2-Dibromoethane	8.96	107	1859	0.268	ug/L #	91
51) Chlorobenzene	9.47	112	7986	0.290	ug/L	93
52) Ethylbenzene	9.59	91	12594	0.270	ug/L	94
53) m,p-Xylene	9.72	106	4847	0.268	ug/L	90
54) o-Xylene	10.13	106	4762	0.269	ug/L	96
55) Styrene	10.14	104	8274	0.284	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.80	83	2426	0.271	ug/L #	95
59) Bromoform	10.32	173	1094	0.254	ug/L #	92
60) Isopropylbenzene	10.51	105	12421	0.287	ug/L	97
61) 1,2,3-Trichloropropane	10.85	75	1814	0.304	ug/L #	84
62) 1,3,5-Trimethylbenzene	11.11	105	10291	0.277	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9646	0.262	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	5421	0.268	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	5618	0.278	ug/L	98
67) 1,2-Dichlorobenzene	12.23	146	5450	0.282	ug/L	89
68) 1,2-Dibromo-3-chloropropan	13.02	75	255	0.202	ug/L #	65
69) 1,3,5-Trichlorobenzene	13.24	180	3725	0.240	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	1613	0.143	ug/L	92
72) 1,2,3-Trichlorobenzene	14.35	180	1609	0.158	ug/L	98

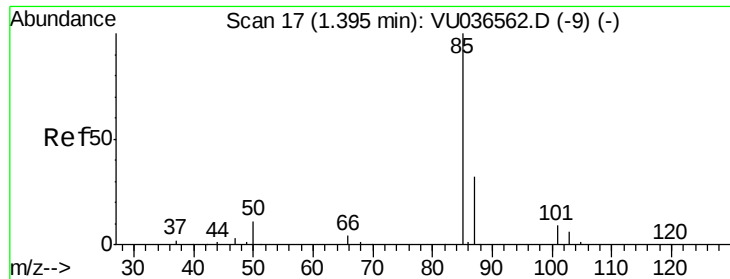
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.270 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

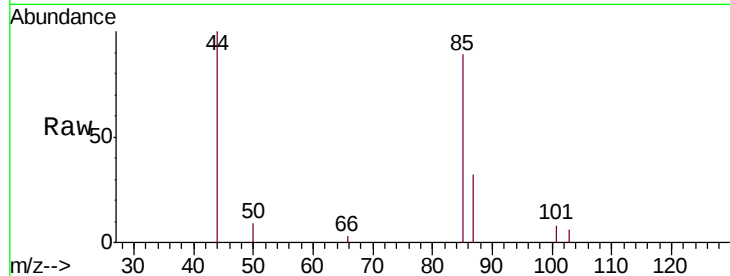
MDL06

Tgt Ion: 85 Resp: 2960

Ion Ratio Lower Upper

85 100

87 31.8 26.0 39.0

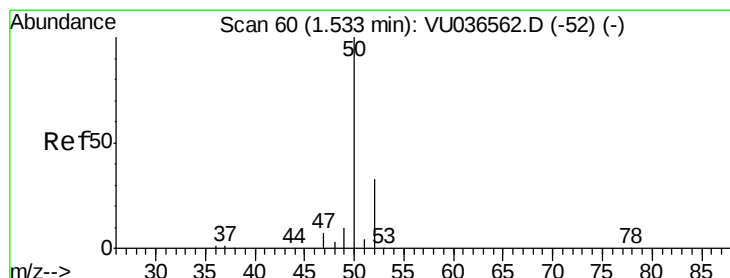
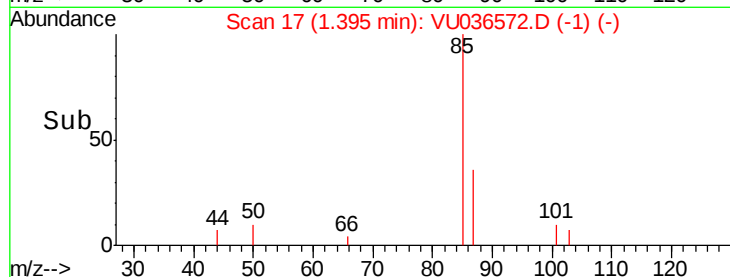


Abundance Ion 85.00 (84.70 to 85.70): VU036572.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036572.D (-1) (-)

Time-->

1.36 1.38 1.40 1.42



#3

Chloromethane

Concen: 0.279 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036572.D

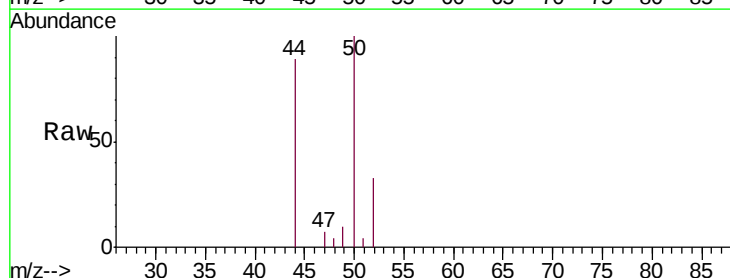
Acq: 28 Jan 2020 12:30

Tgt Ion: 50 Resp: 3224

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3

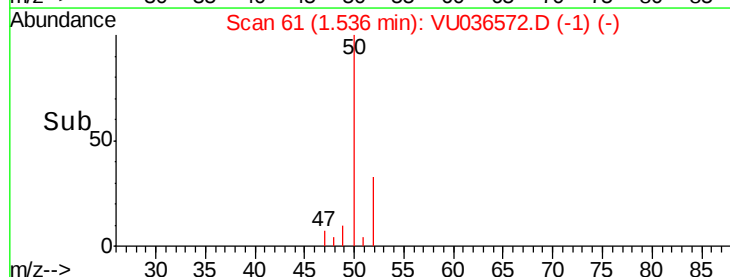


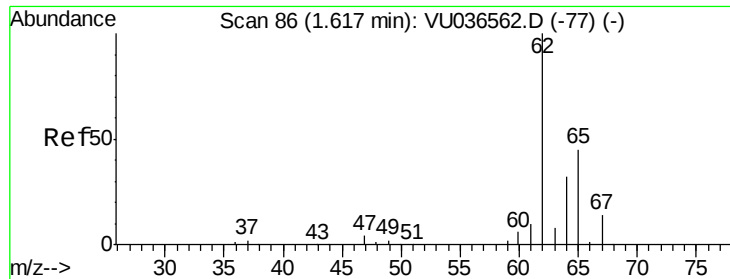
Abundance Ion 50.05 (49.75 to 50.75): VU036572.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036572.D (-1) (-)

Time-->

1.50 1.52 1.54 1.56





#5

Vinyl chloride

Concen: 0.258 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

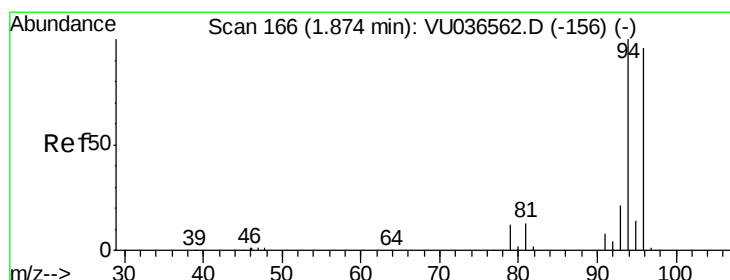
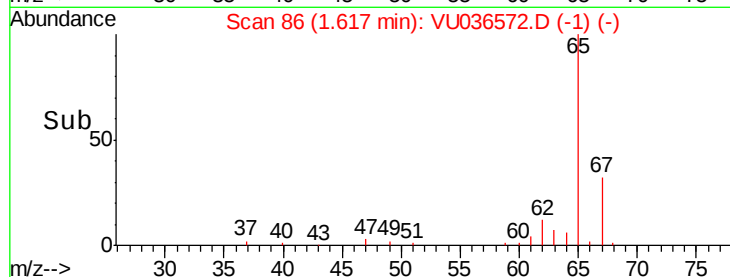
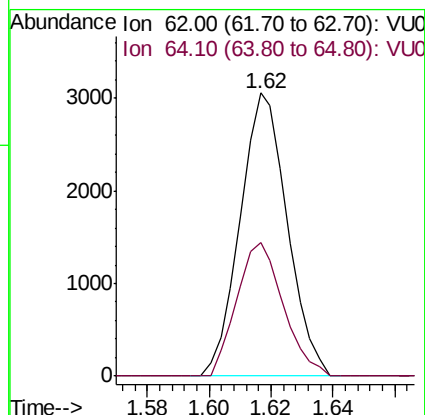
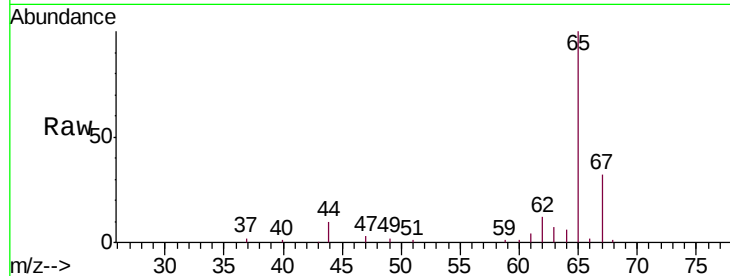
MDL06

Tgt Ion: 62 Resp: 3243

Ion Ratio Lower Upper

62 100

64 47.4 22.6 42.0#



#6

Bromomethane

Concen: 0.295 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036572.D

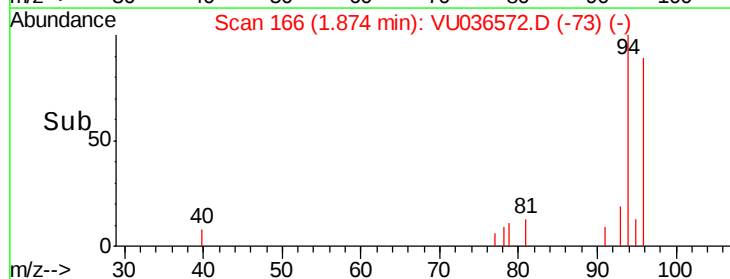
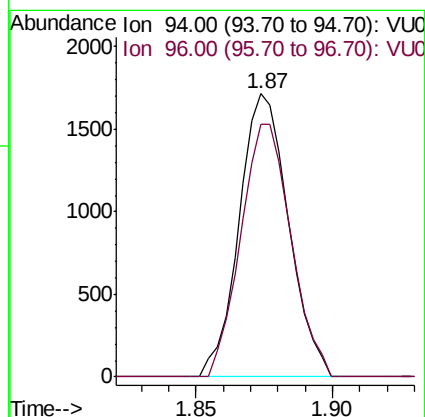
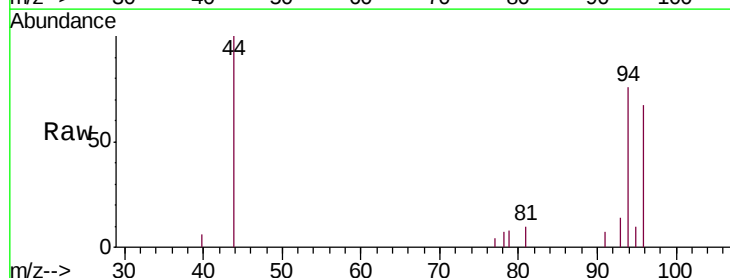
Acq: 28 Jan 2020 12:30

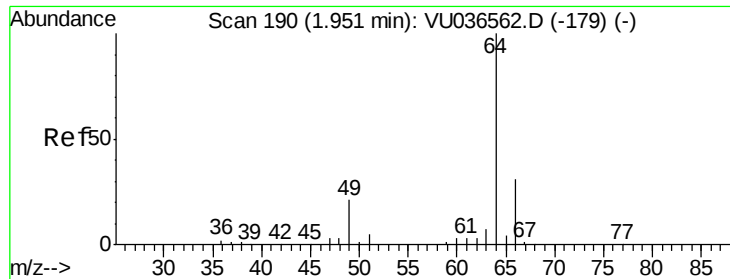
Tgt Ion: 94 Resp: 2152

Ion Ratio Lower Upper

94 100

96 89.2 67.6 125.6





#8

Chloroethane

Concen: 0.292 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

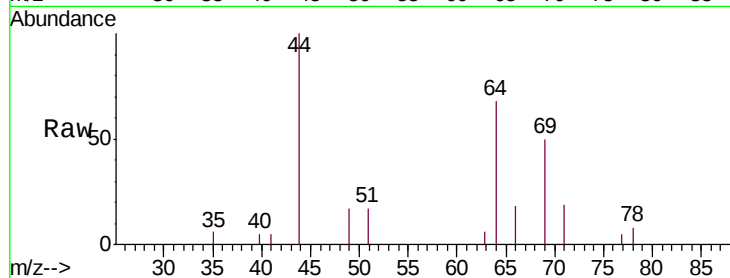
MDL06

Tgt Ion: 64 Resp: 2265

Ion Ratio Lower Upper

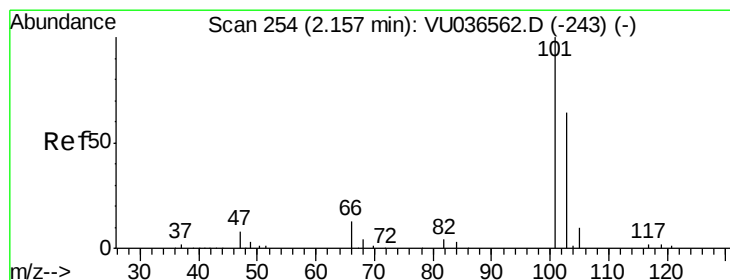
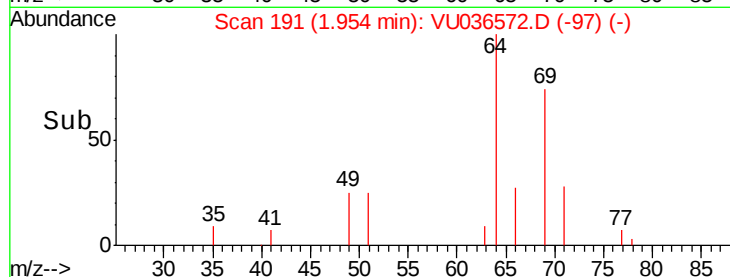
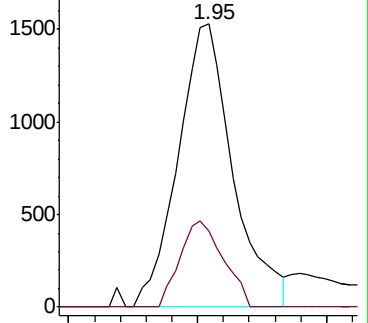
64 100

66 26.7 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VU036572.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU036572.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.256 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036572.D

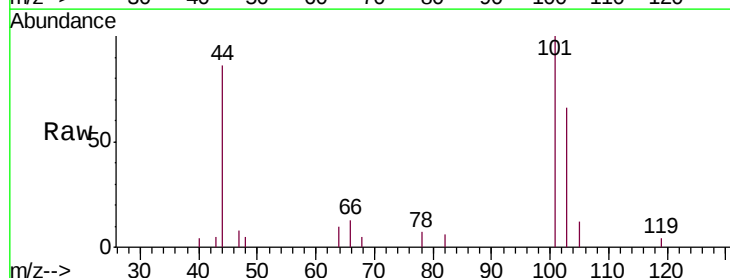
Acq: 28 Jan 2020 12:30

Tgt Ion: 101 Resp: 3737

Ion Ratio Lower Upper

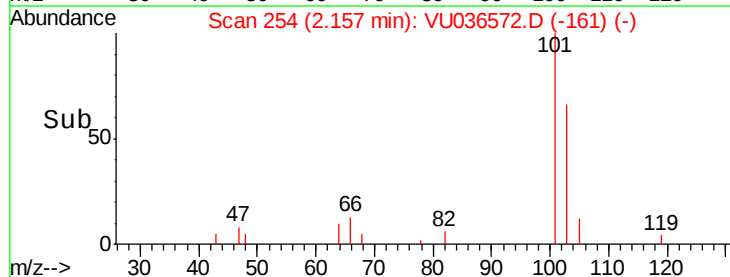
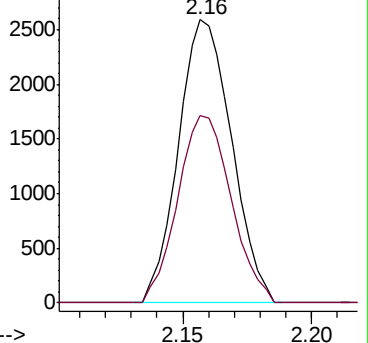
101 100

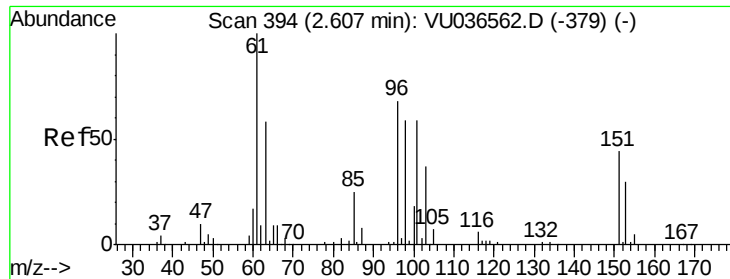
103 66.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU036572.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036572.D (-243) (-)





#10

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

Concen: 0.289 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

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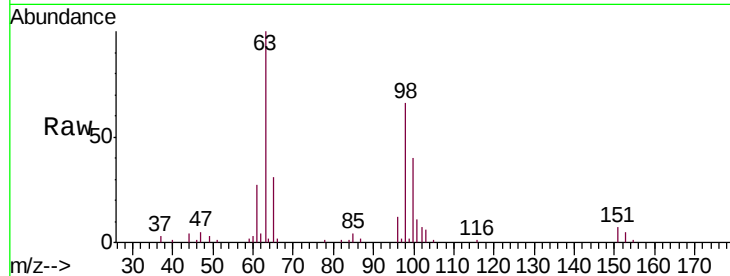
Tgt Ion:101 Resp: 2602

Ion Ratio Lower Upper

101 100

85 35.8 32.2 48.4

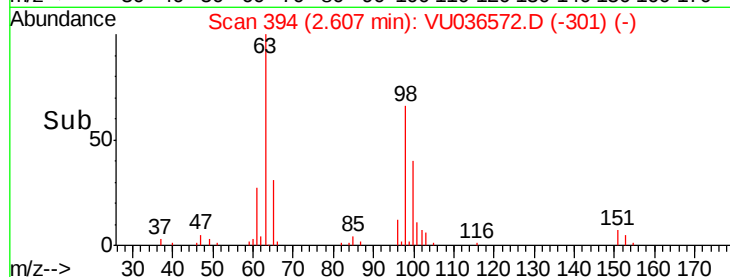
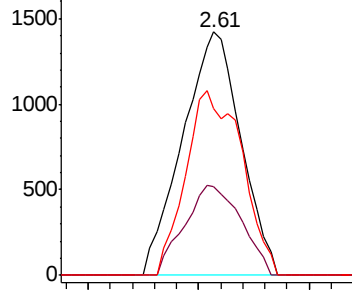
151 73.4 59.2 88.8



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: 0.293 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

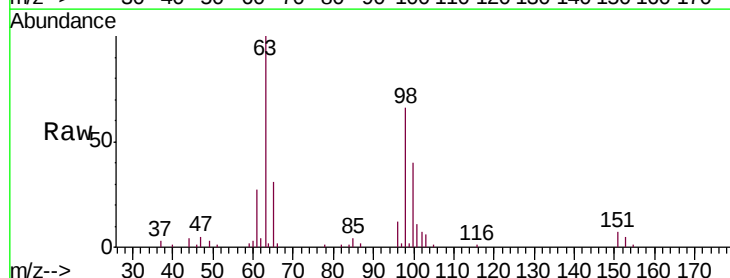
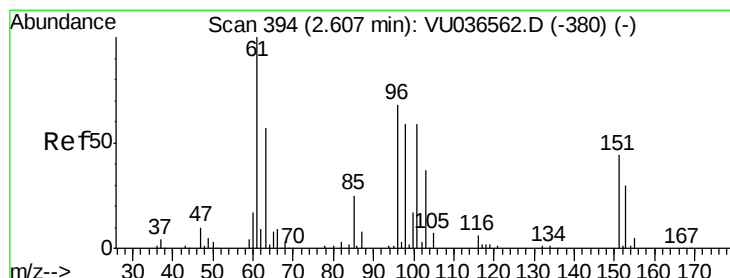
Tgt Ion: 96 Resp: 2621

Ion Ratio Lower Upper

96 100

61 229.7 108.2 201.0#

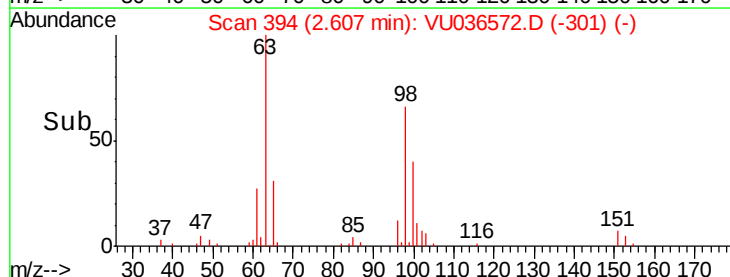
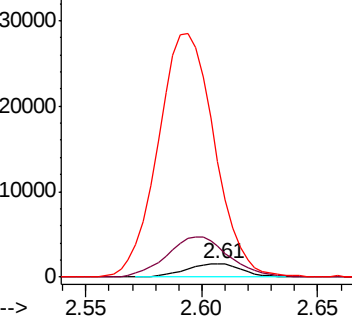
63 861.7 72.0 133.8#

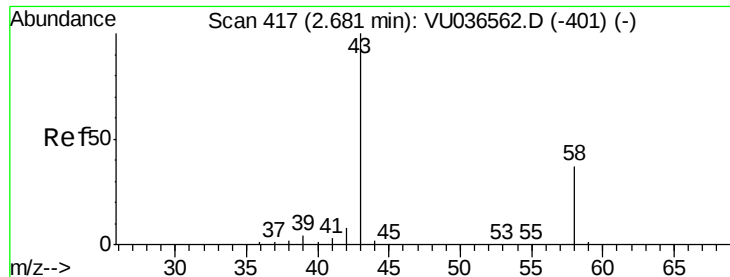


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.335 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

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ClientSampled :

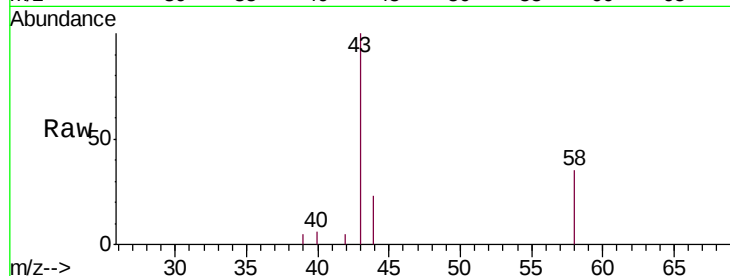
MDL06

Tgt Ion: 43 Resp: 5850

Ion Ratio Lower Upper

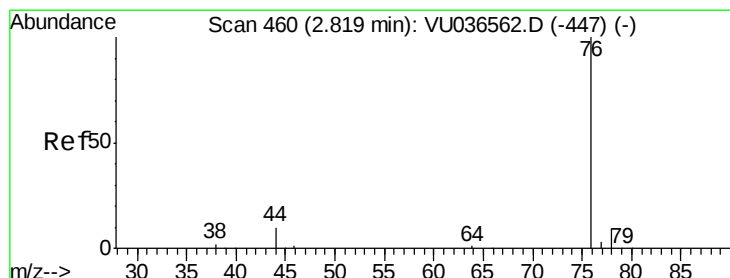
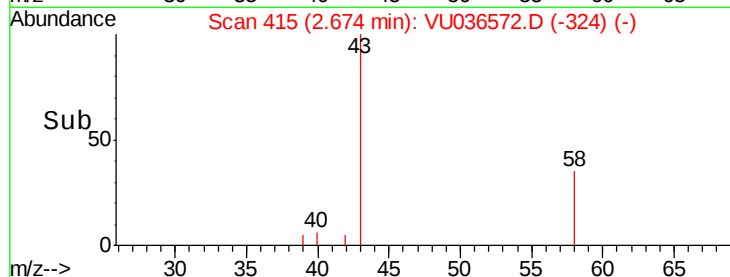
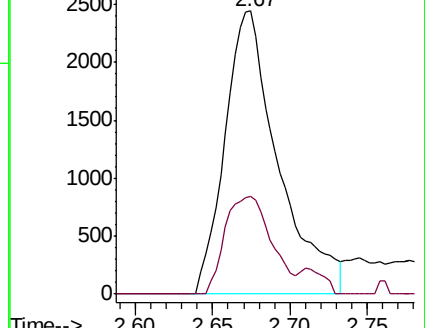
43 100

58 30.1 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036572.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036572.D (-324) (-)



#14

Carbon disulfide

Concen: 0.252 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036572.D

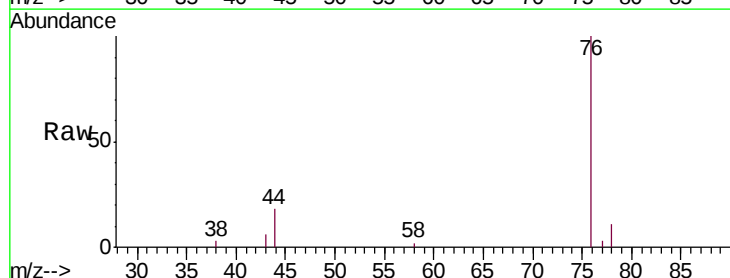
Acq: 28 Jan 2020 12:30

Tgt Ion: 76 Resp: 7087

Ion Ratio Lower Upper

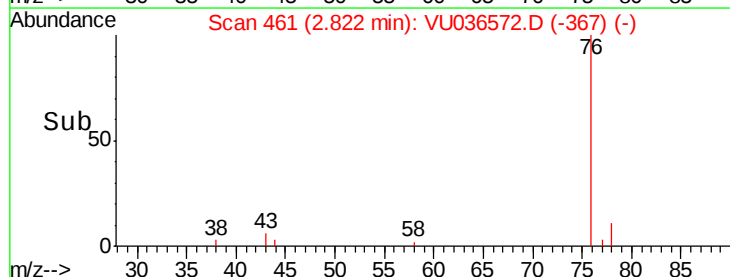
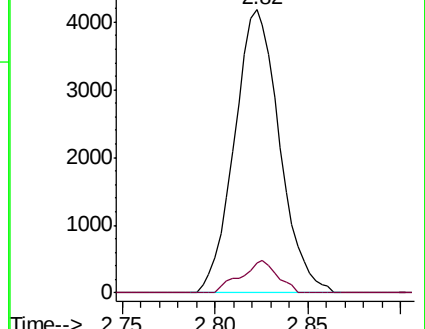
76 100

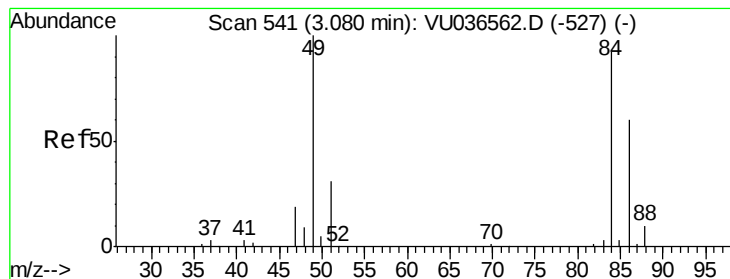
78 10.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036572.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036572.D (-367) (-)





#16

Methylene chloride

Concen: 0.657 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

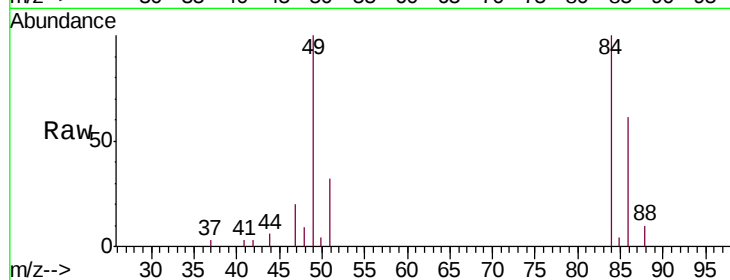
Tgt Ion: 84 Resp: 7979

Ion Ratio Lower Upper

84 100

86 60.9 44.8 83.2

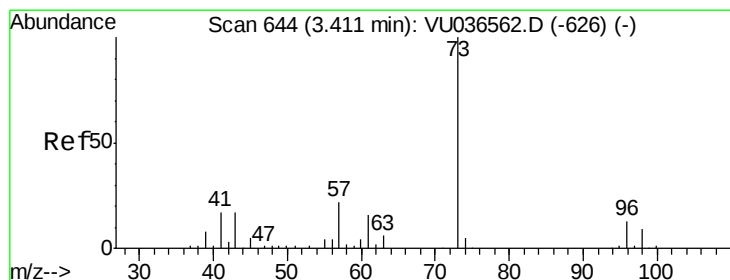
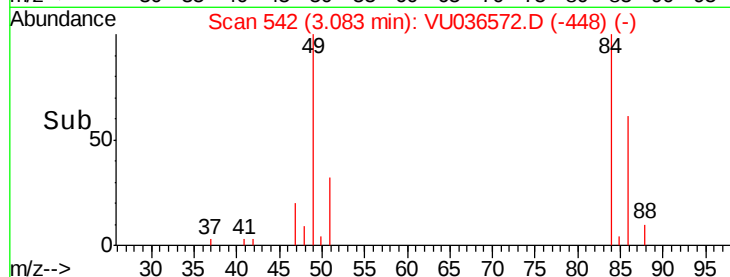
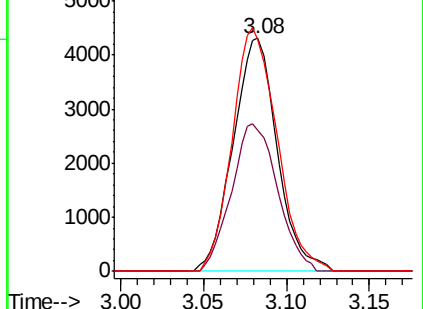
49 99.8 74.8 139.0



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.250 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

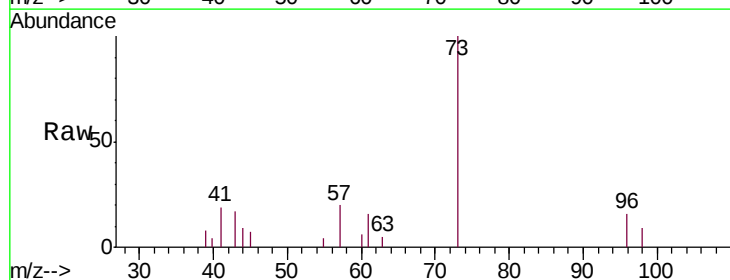
Tgt Ion: 73 Resp: 5598

Ion Ratio Lower Upper

73 100

43 10.7 14.6 21.8#

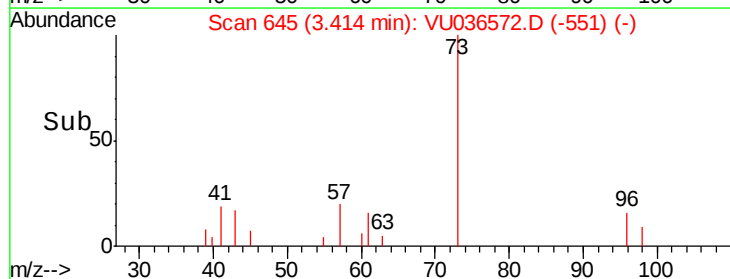
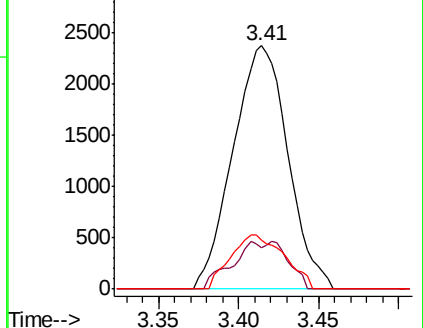
57 21.7 17.0 25.6

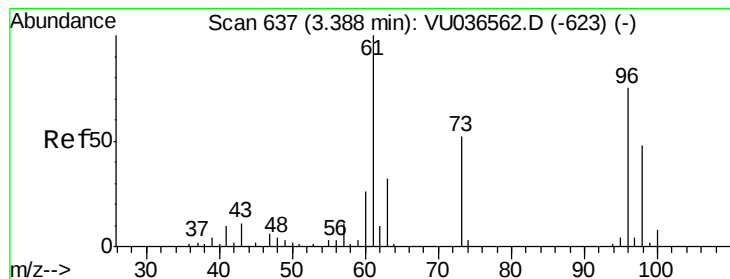


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.272 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

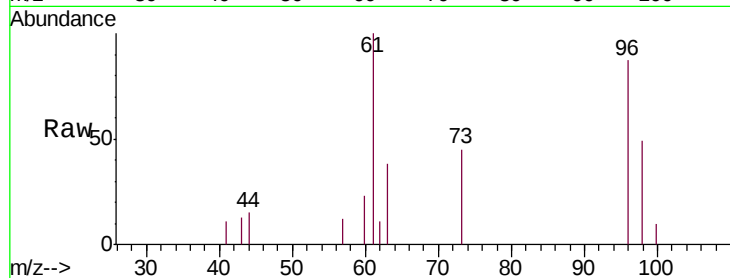
Tgt Ion: 96 Resp: 2605

Ion Ratio Lower Upper

96 100

61 115.4 93.1 172.9

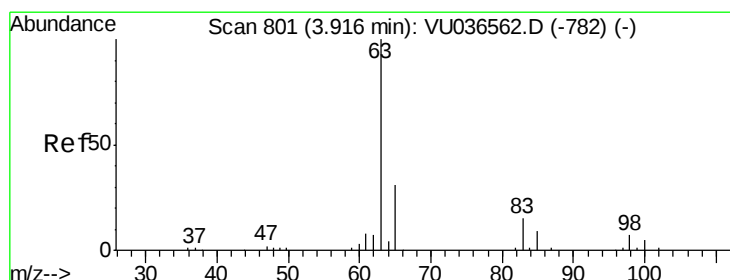
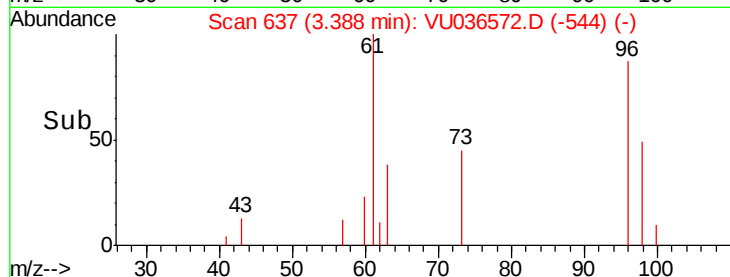
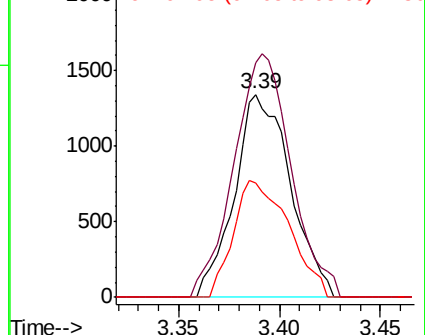
98 56.3 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VU036572.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036572.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036572.D (-623) (-)



#19

1,1-Dichloroethane

Concen: 0.255 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

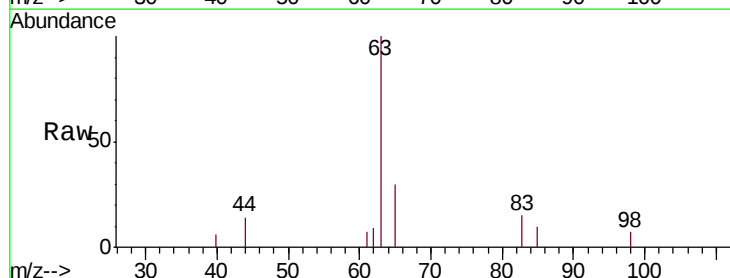
Tgt Ion: 63 Resp: 4262

Ion Ratio Lower Upper

63 100

65 30.2 21.8 40.6

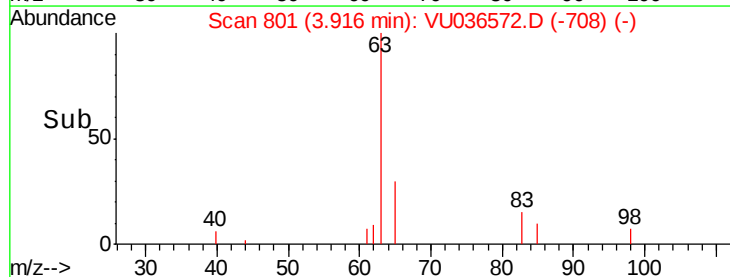
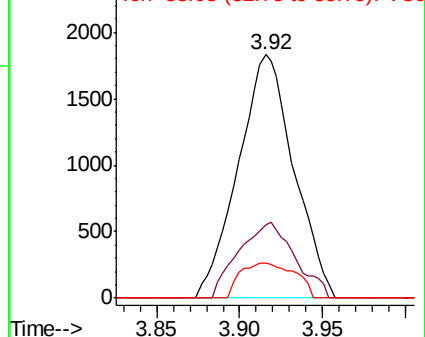
83 14.5 9.8 18.2

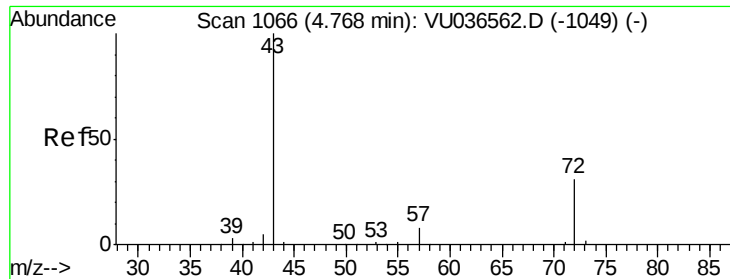


Abundance Ion 63.10 (62.80 to 63.80): VU036572.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036572.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036572.D (-782) (-)





#21

2-Butanone

Concen: 2.287 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

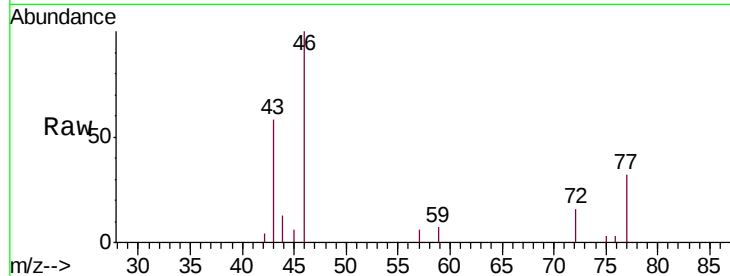
MDL06

Tgt Ion: 43 Resp: 4991

Ion Ratio Lower Upper

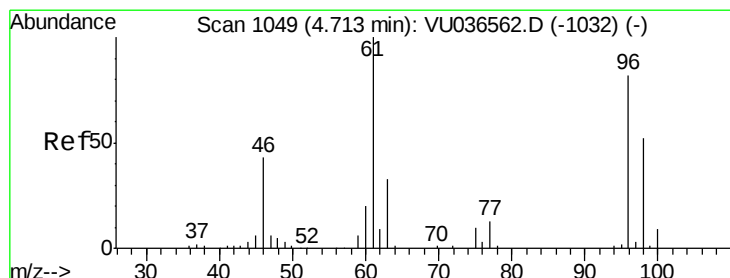
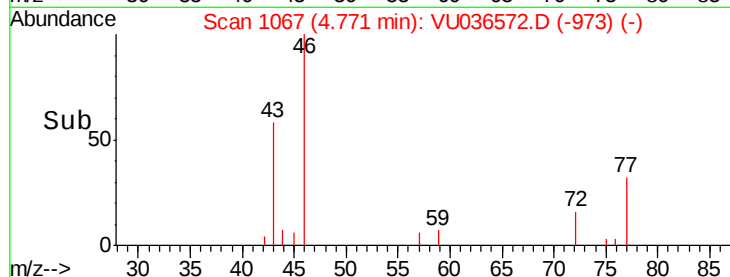
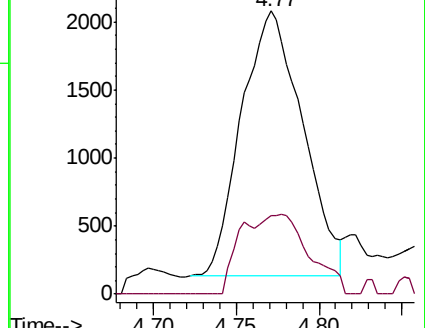
43 100

72 23.8 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036572.D (-973) (-)

Ion 72.10 (71.80 to 72.80): VU036572.D (-973) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.269 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

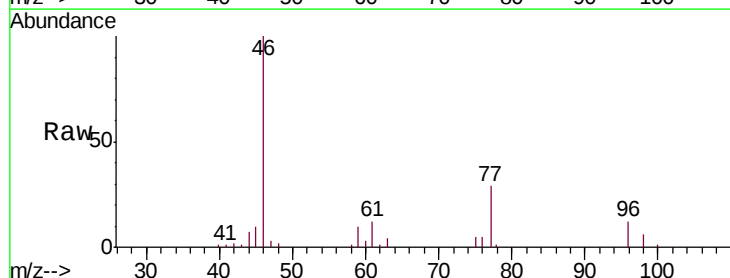
Tgt Ion: 96 Resp: 2877

Ion Ratio Lower Upper

96 100

61 99.5 83.0 154.1

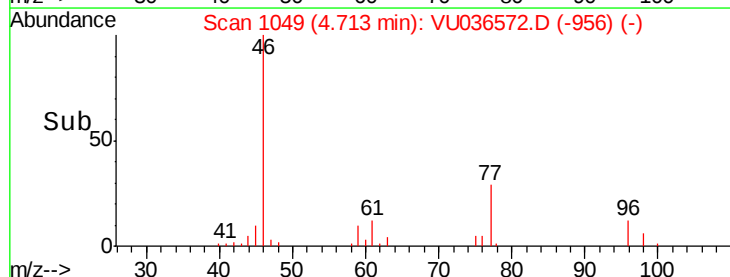
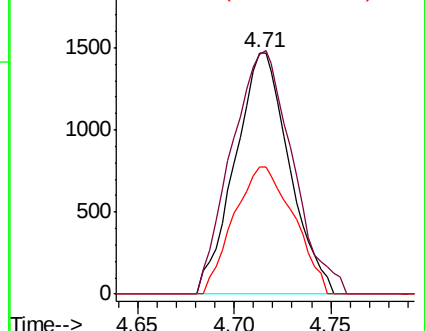
98 52.9 43.8 81.3

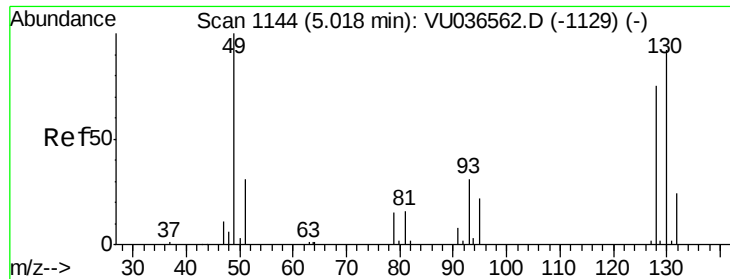


Abundance Ion 96.00 (95.70 to 96.70): VU036572.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036572.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036572.D (-956) (-)

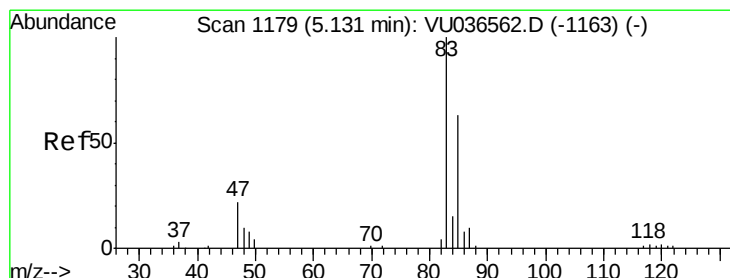
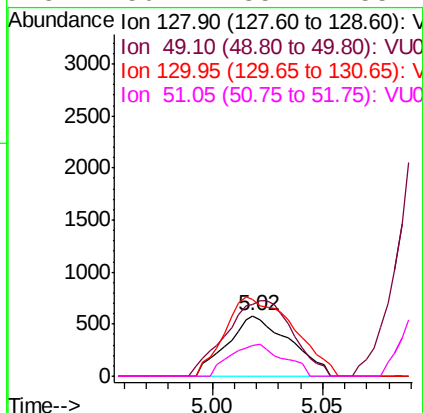
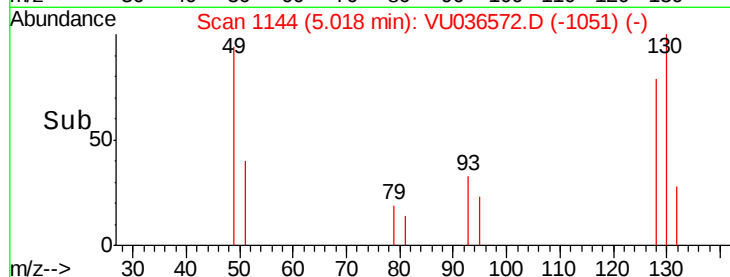
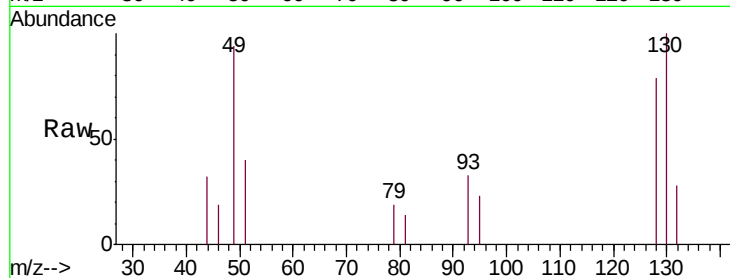




#23
 Bromochloromethane
 Concen: 0.252 ug/L
 RT: 5.02 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

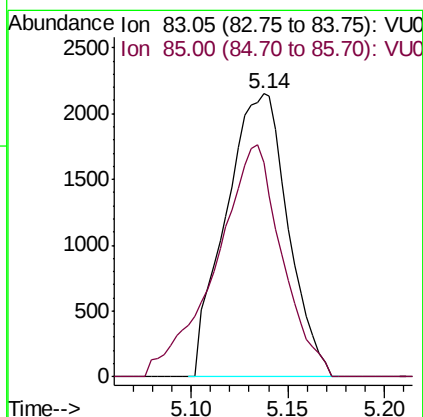
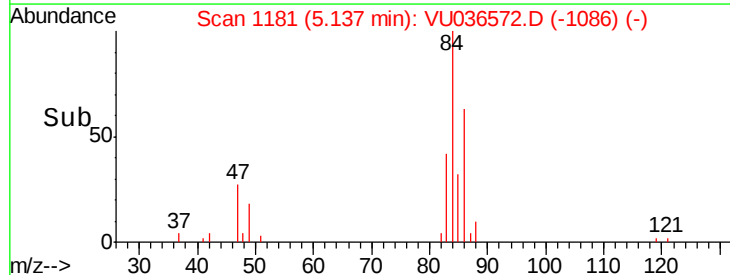
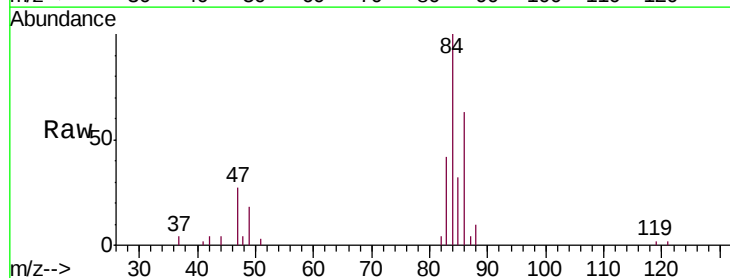
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

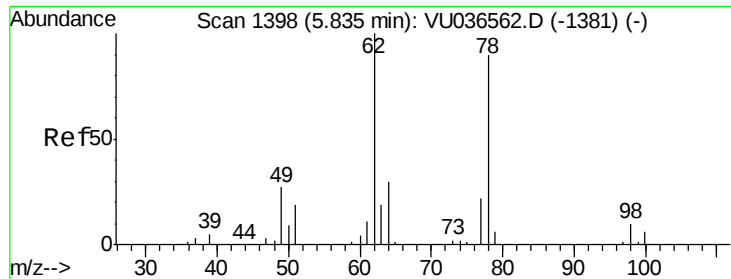
Tgt Ion:	128	Resp:	1135
Ion	Ratio	Lower	Upper
128	100		
49	118.4	98.6	183.2
130	126.1	89.1	165.5
51	50.4	35.4	53.2



#25
 Chloroform
 Concen: 0.288 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion:	83	Resp:	4808
Ion	Ratio	Lower	Upper
83	100		
85	75.6	45.7	84.9

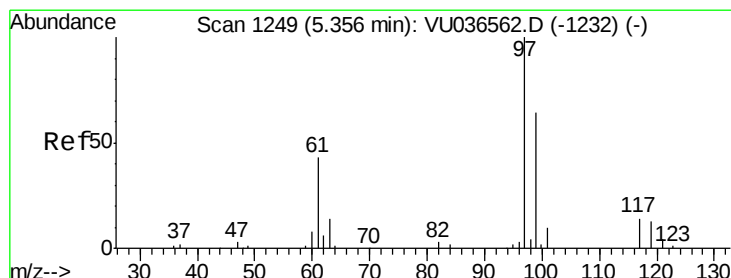
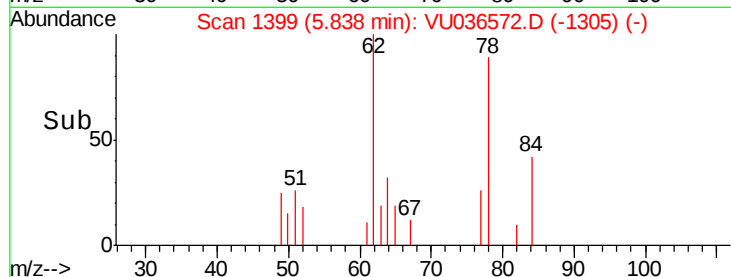
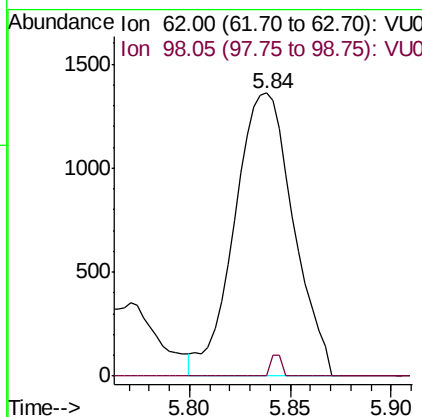
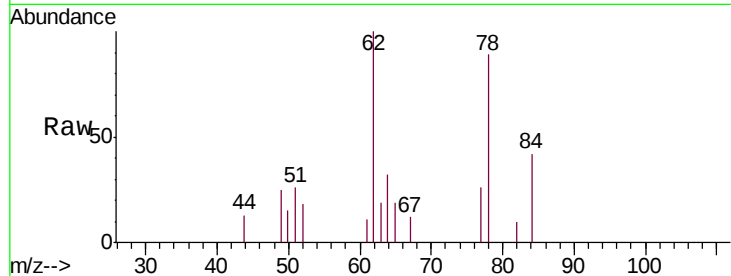




#27
 1,2-Dichloroethane
 Concen: 0.265 ug/L
 RT: 5.84 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

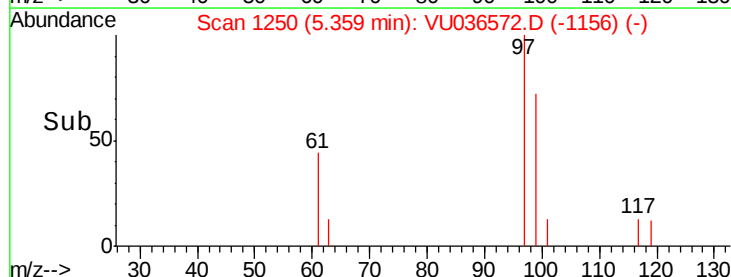
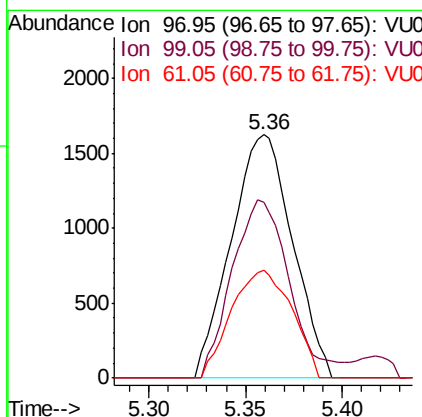
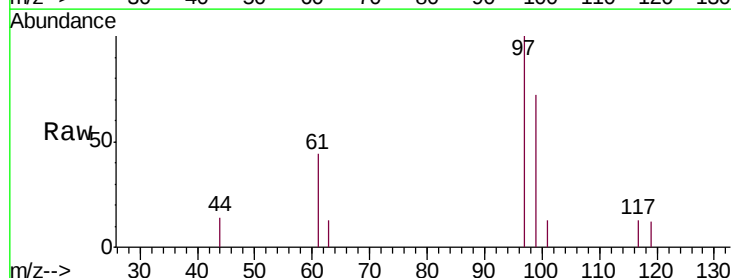
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

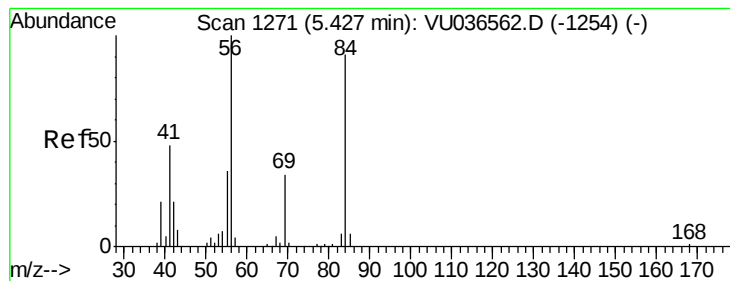
Tgt Ion: 62 Resp: 2769
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.5 12.7#



#29
 1,1,1-Trichloroethane
 Concen: 0.260 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion: 97 Resp: 3581
 Ion Ratio Lower Upper
 97 100
 99 69.5 52.0 78.0
 61 43.8 35.6 53.4





#30

Cyclohexane

Concen: 0.251 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

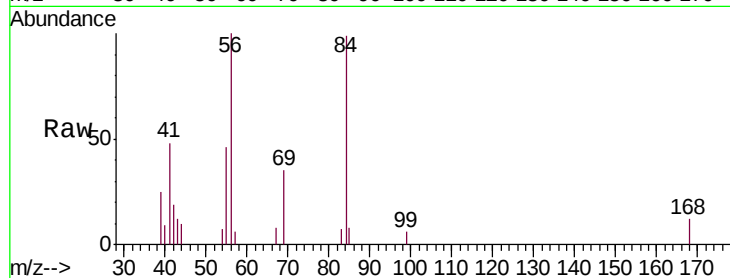
Tgt Ion: 56 Resp: 3949

Ion Ratio Lower Upper

56 100

69 32.2 25.7 38.5

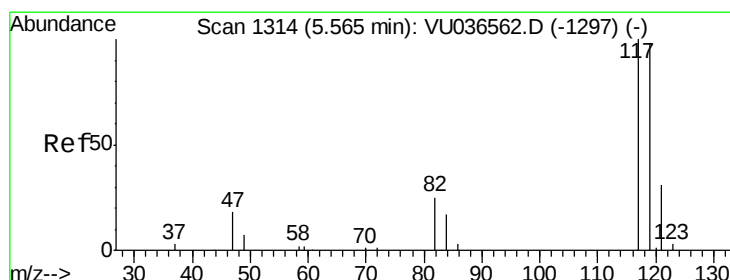
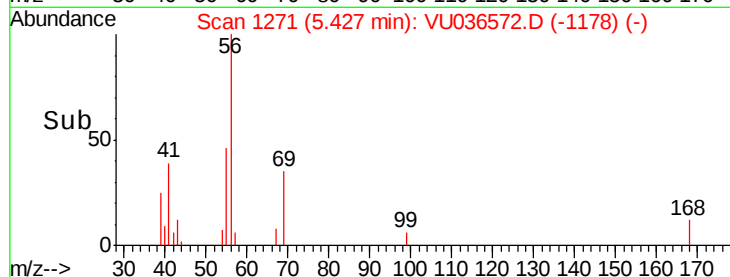
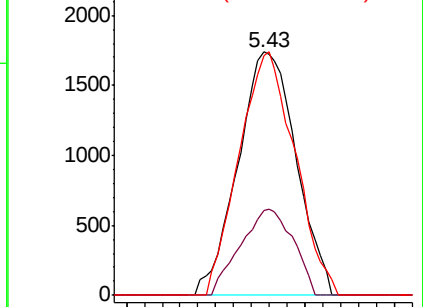
84 96.4 75.3 112.9



Abundance Ion 56.10 (55.80 to 56.80): VU036572.D (-1254) (-)

Ion 69.15 (68.85 to 69.85): VU036572.D (-1254) (-)

Ion 84.15 (83.85 to 84.85): VU036572.D (-1254) (-)



#31

Carbon tetrachloride

Concen: 0.254 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036572.D

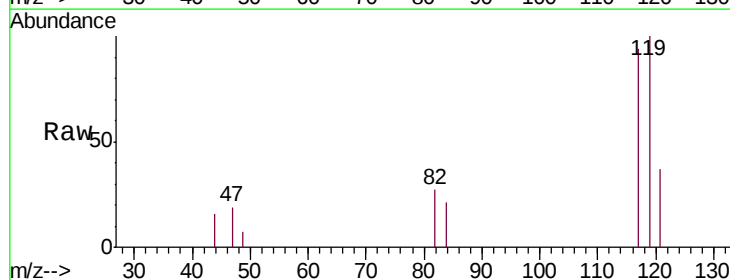
Acq: 28 Jan 2020 12:30

Tgt Ion: 117 Resp: 2971

Ion Ratio Lower Upper

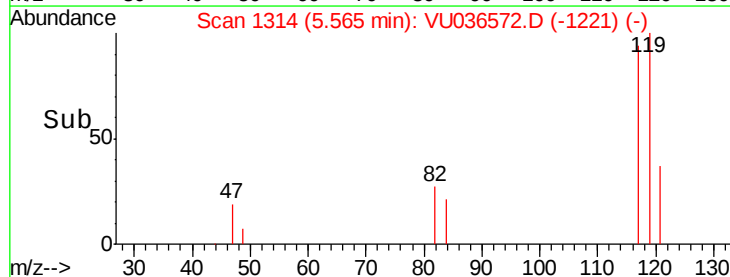
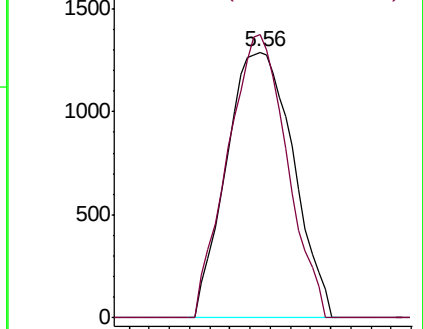
117 100

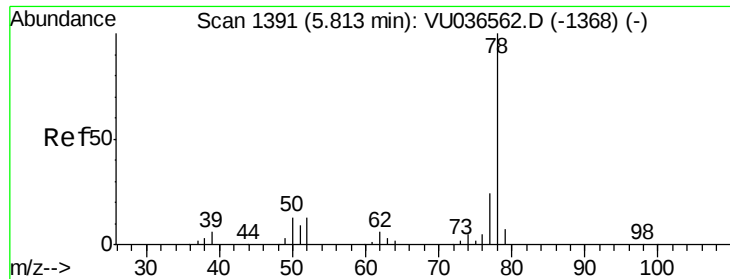
119 94.5 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): VU036572.D (-1297) (-)

Ion 118.90 (118.60 to 119.60): VU036572.D (-1297) (-)





#33

Benzene

Concen: 0.266 ug/L

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

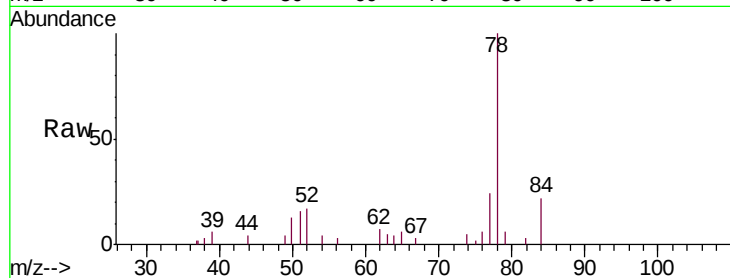
Instrument :

MSVOA_U

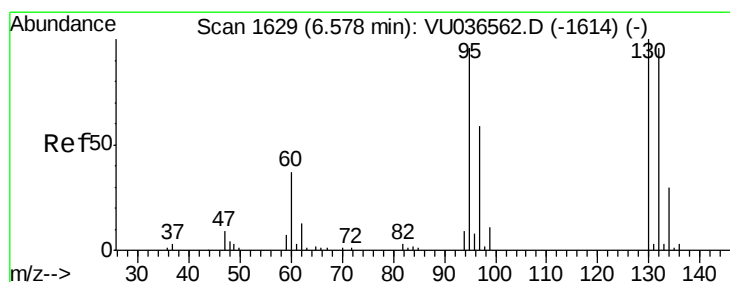
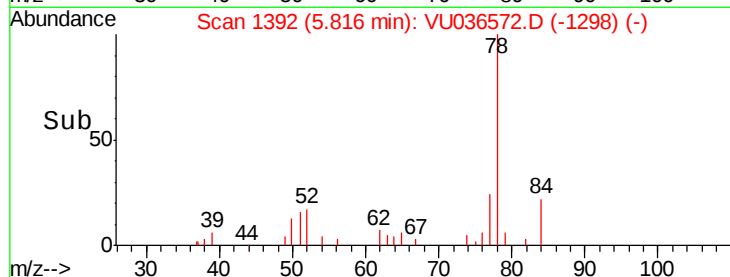
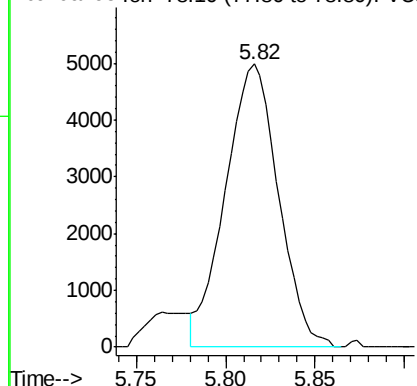
ClientSampled :

MDL06

Tgt Ion: 78 Resp: 10325



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.278 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion: 95 Resp: 2850

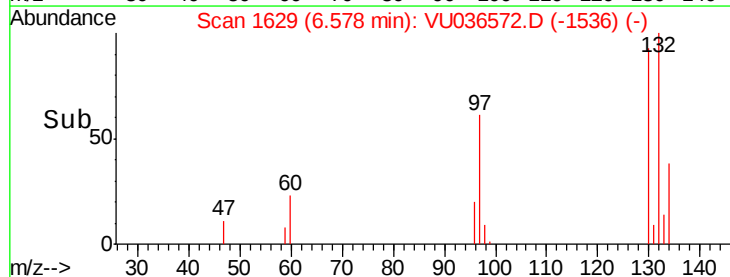
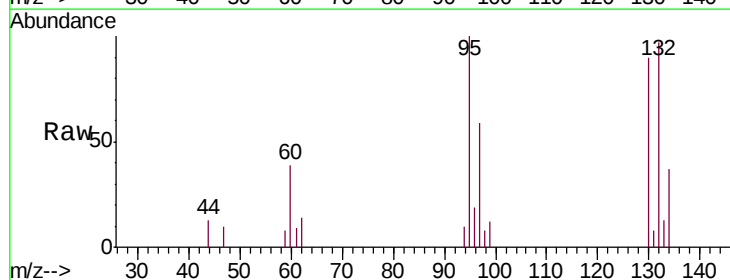
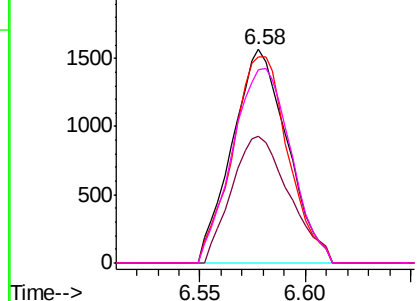
Ion	Ratio	Lower	Upper
95	100		
97	59.3	45.6	84.8
132	96.7	67.7	125.7
130	90.3	72.2	134.2

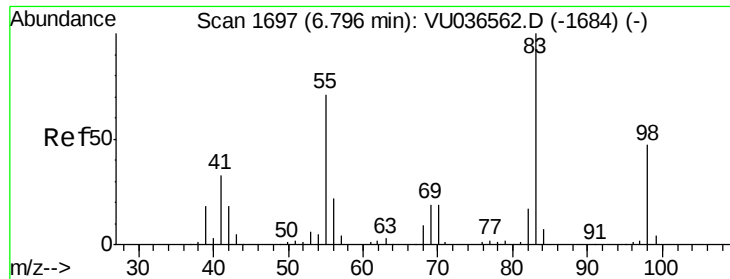
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

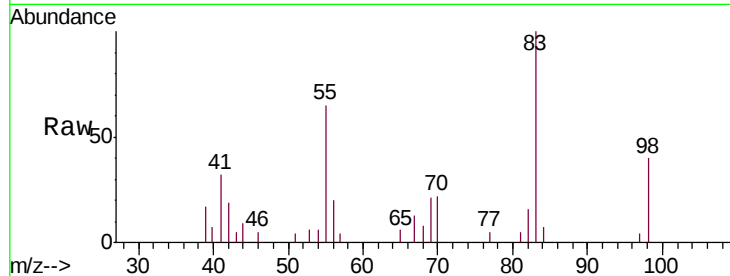




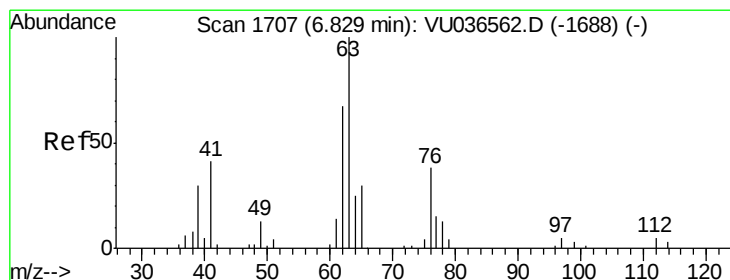
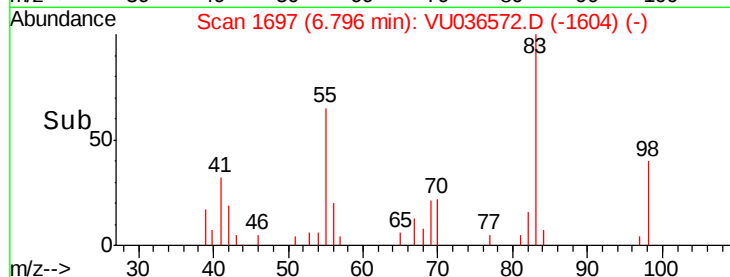
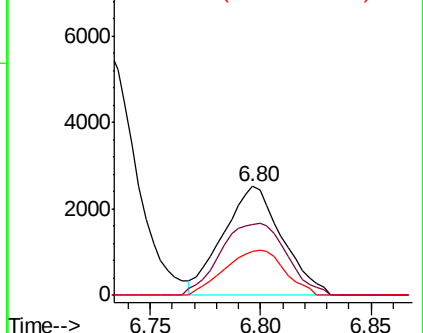
#35
Methylcyclohexane
Concen: 0.266 ug/L
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 83 Resp: 4679
Ion Ratio Lower Upper
83 100
55 74.0 56.9 85.3
98 41.5 36.9 55.3

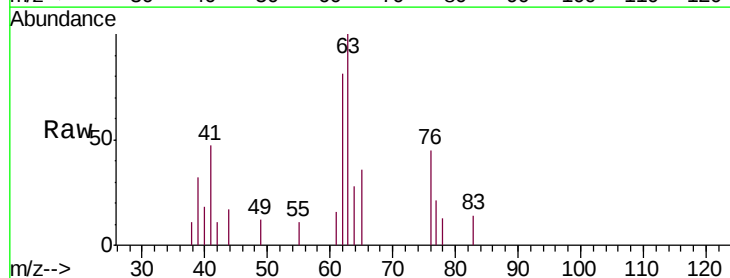


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

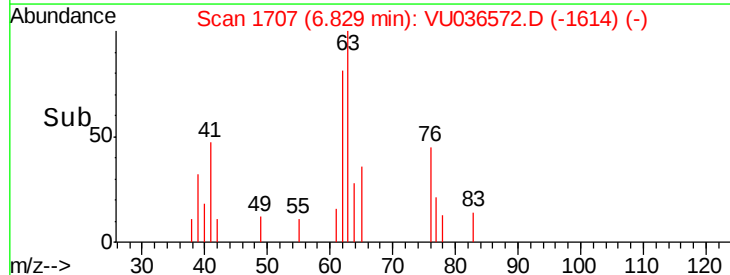
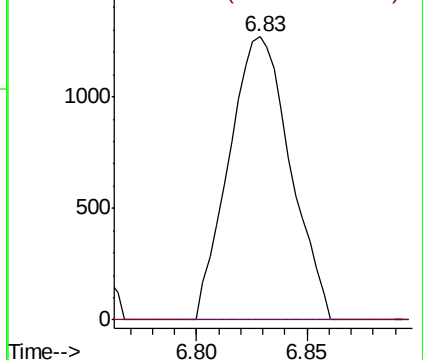


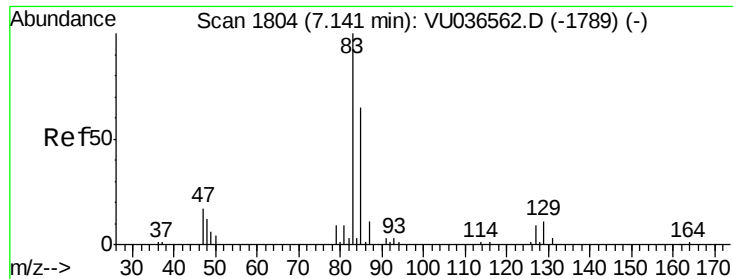
#37
1,2-Dichloropropane
Concen: 0.254 ug/L
RT: 6.83 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 63 Resp: 2445
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: 0.261 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

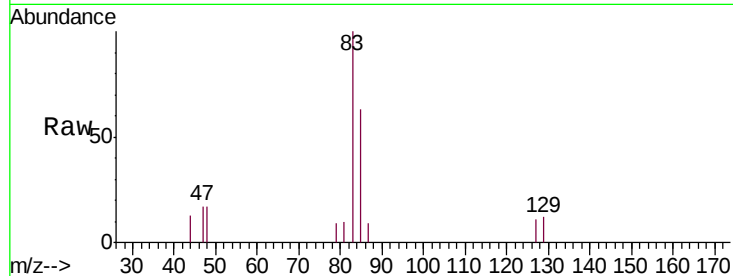
Tgt Ion: 83 Resp: 3069

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

127 11.2 7.2 10.8#

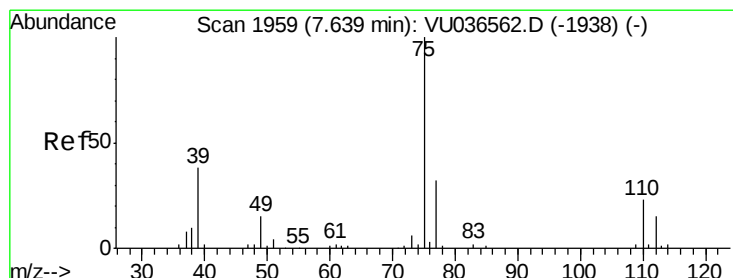
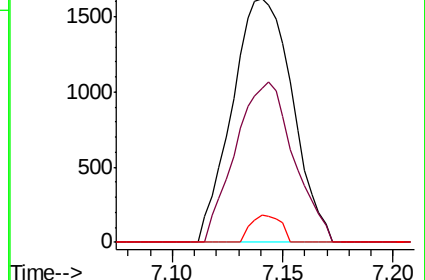
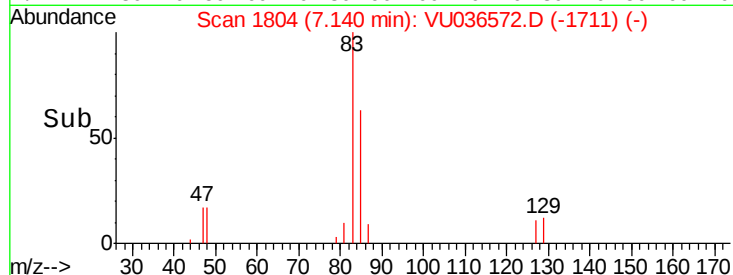


Abundance Ion 82.95 (82.65 to 83.65): VU036572.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU036572.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU036572.D (-1789) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.250 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VU036572.D

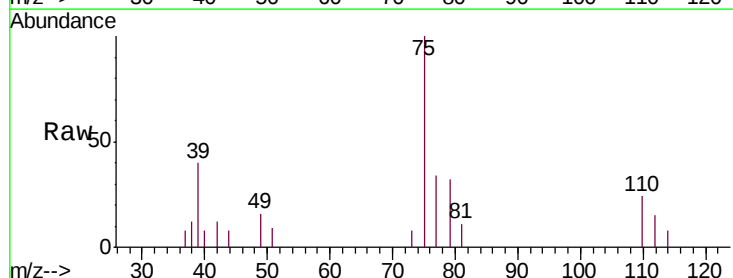
Acq: 28 Jan 2020 12:30

Tgt Ion: 75 Resp: 3712

Ion Ratio Lower Upper

75 100

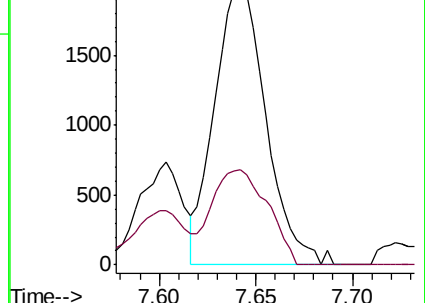
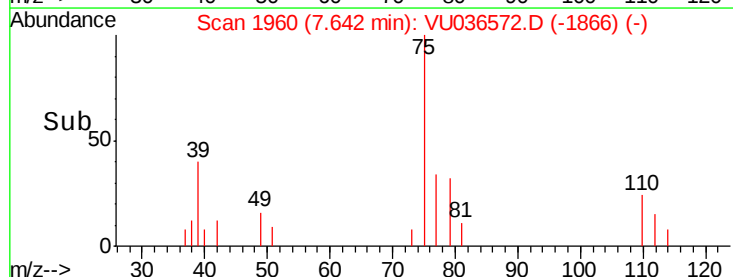
77 33.7 22.3 41.5

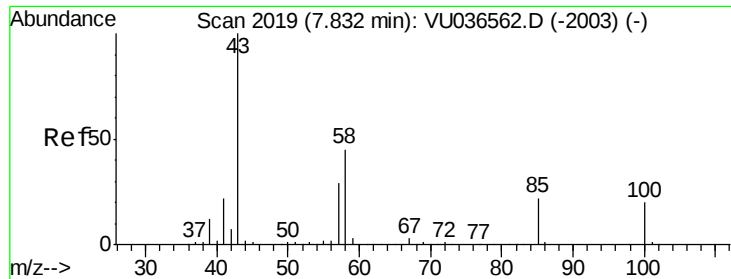


Abundance Ion 75.05 (74.75 to 75.75): VU036572.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036572.D (-1938) (-)

Time-->

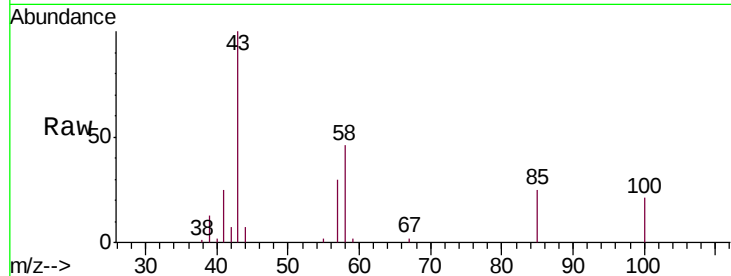




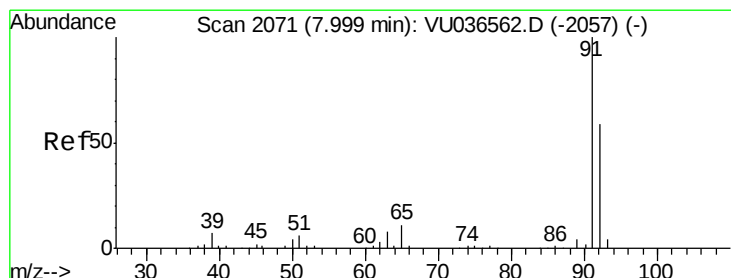
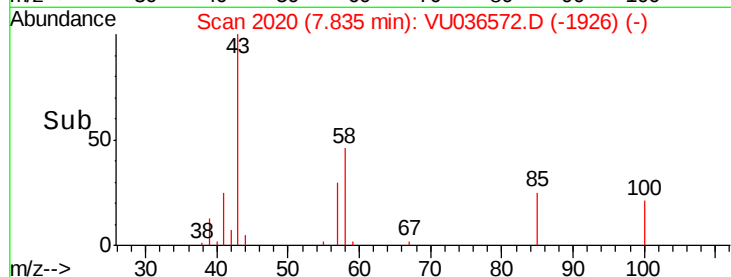
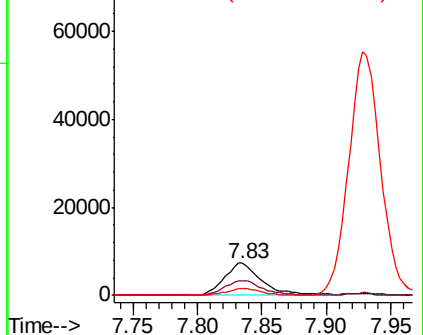
#40
4-Methyl-2-pentanone
Concen: 2.731 ug/L
RT: 7.83 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 43 Resp: 14808
Ion Ratio Lower Upper
43 100
58 45.3 35.6 53.4
100 19.6 14.9 22.3

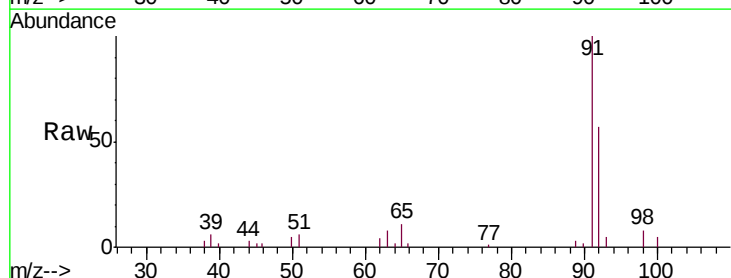


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

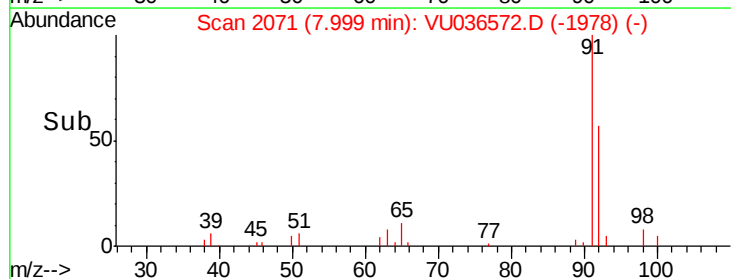
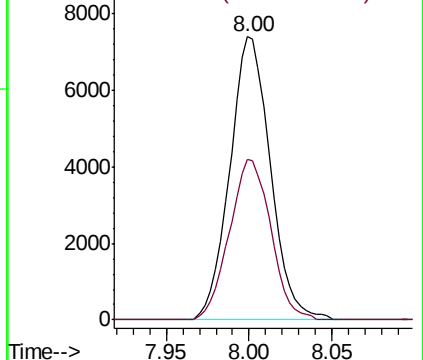


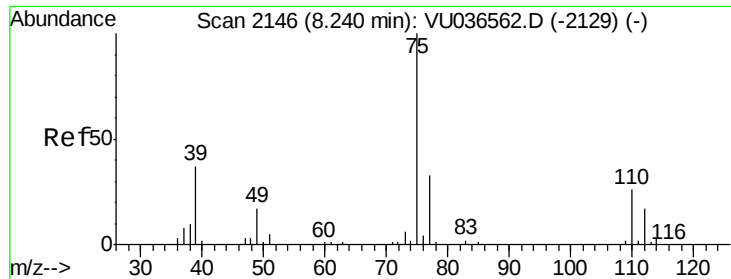
#42
Toluene
Concen: 0.294 ug/L
RT: 8.00 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 91 Resp: 12592
Ion Ratio Lower Upper
91 100
92 56.9 40.6 75.4



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

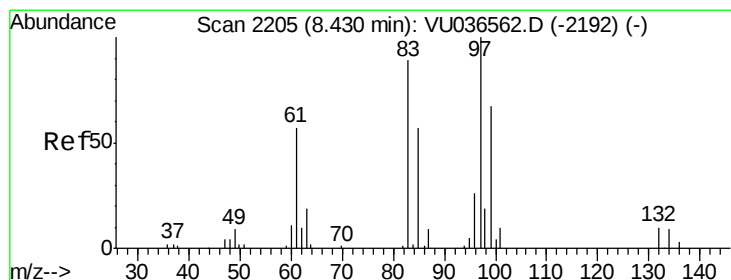
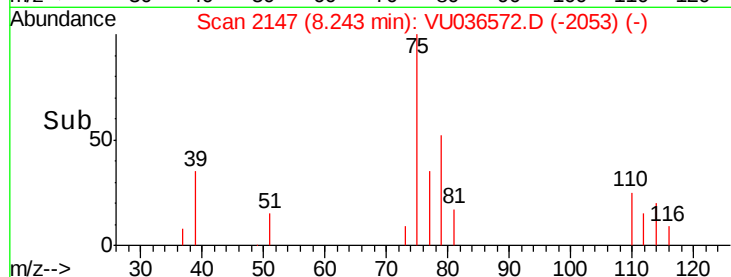
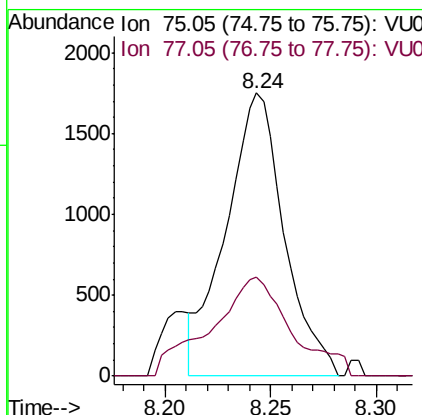
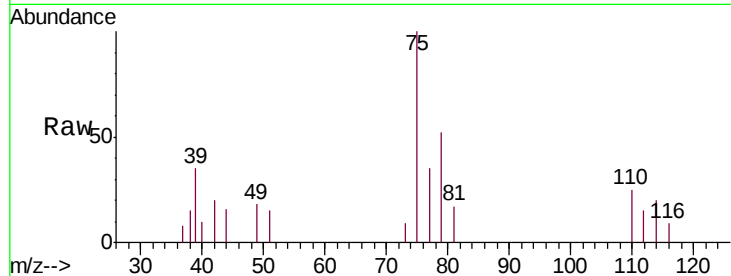




#44
trans-1,3-Dichloropropene
Concen: 0.294 ug/L
RT: 8.24 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

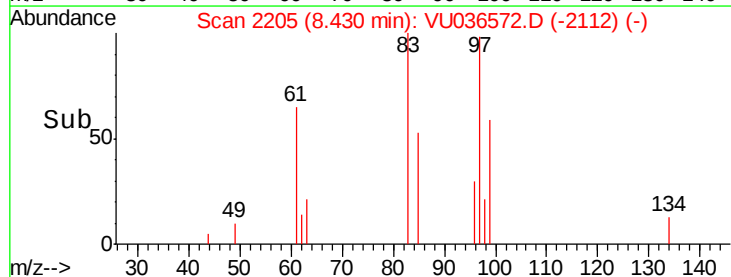
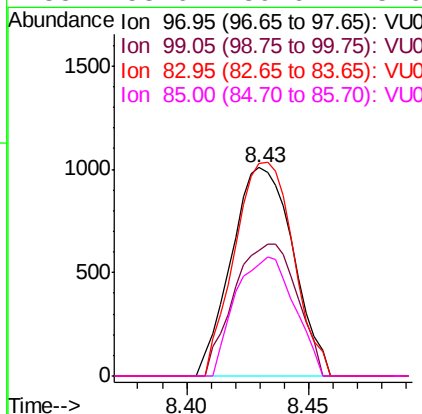
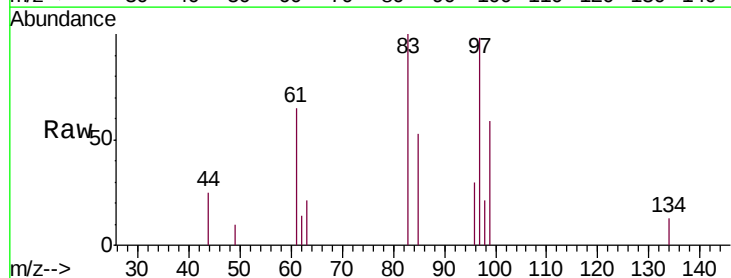
Instrument :
MSVOA_U
ClientSampleId :
MDL06

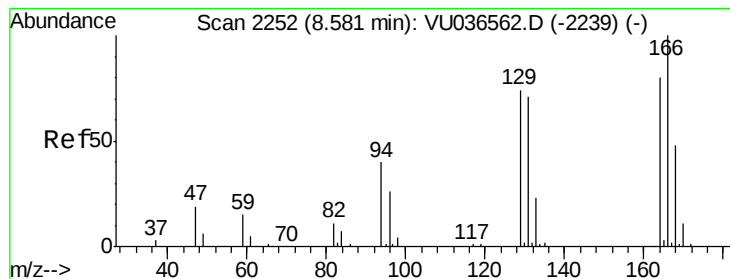
Tgt Ion: 75 Resp: 3369
Ion Ratio Lower Upper
75 100
77 35.0 22.8 42.4



#45
1,1,2-Trichloroethane
Concen: 0.248 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 97 Resp: 1769
Ion Ratio Lower Upper
97 100
99 60.3 42.1 78.3
83 101.9 58.4 108.6
85 53.6 39.6 73.6





#47

Tetrachloroethene

Concen: 0.272 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion:164 Resp: 2277

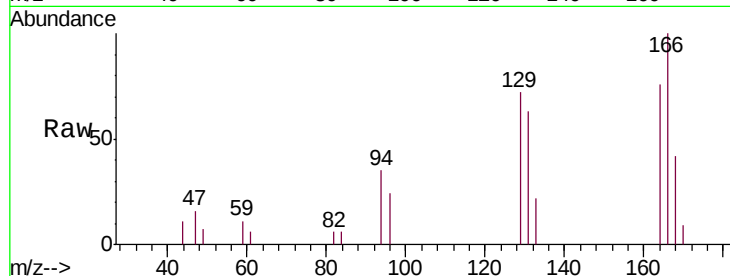
Ion Ratio Lower Upper

164 100

129 95.2 64.7 120.1

131 84.1 64.0 118.8

166 132.4 89.5 166.3



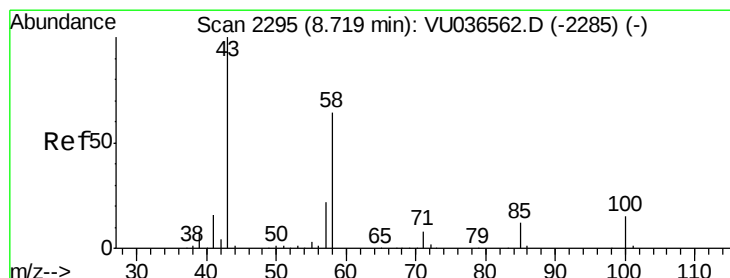
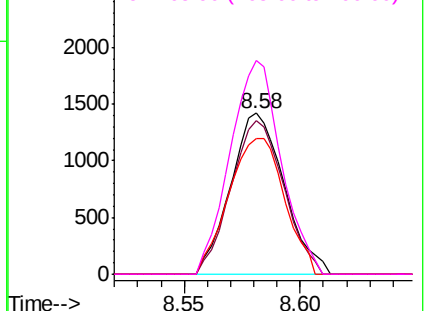
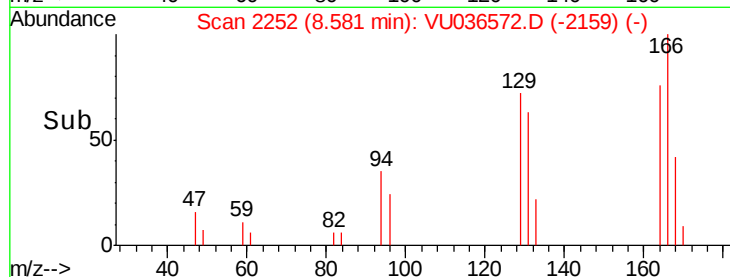
Abundance

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: 3.507 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion: 43 Resp: 13118

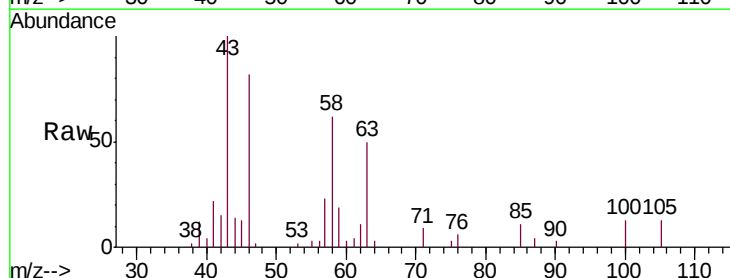
Ion Ratio Lower Upper

43 100

58 56.0 50.2 75.2

57 17.4 17.5 26.3#

100 11.7 11.5 17.3



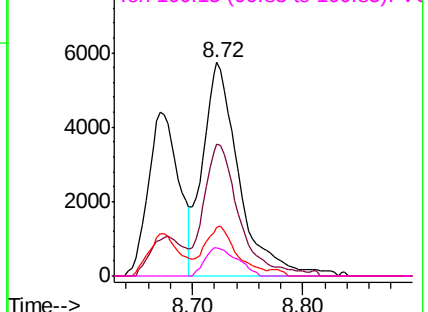
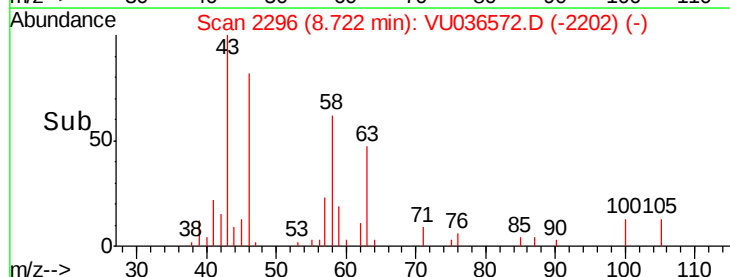
Abundance

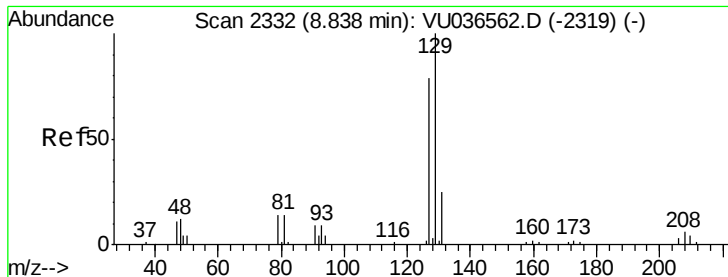
Ion 43.05 (42.75 to 43.75): VU0

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

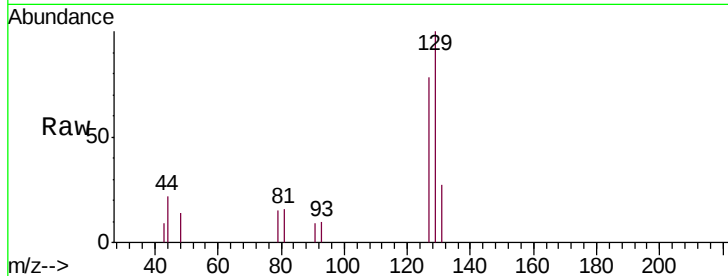




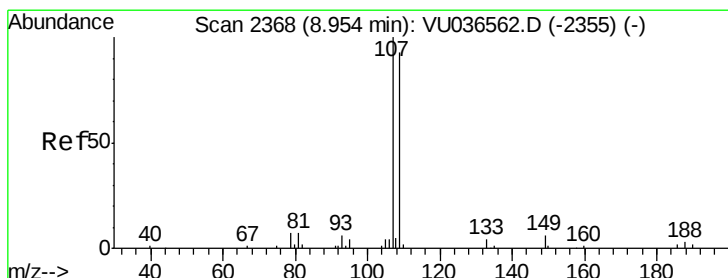
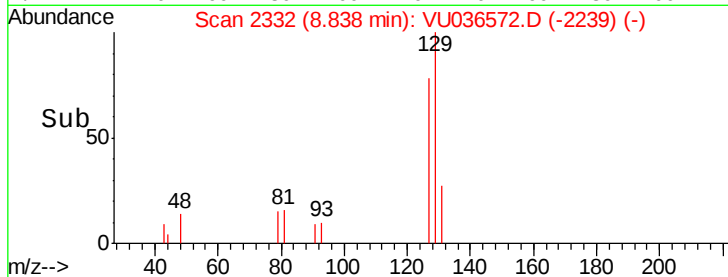
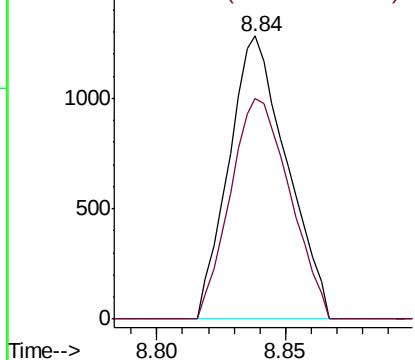
#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion:129 Resp: 2004
Ion Ratio Lower Upper
129 100
127 78.1 54.5 101.3

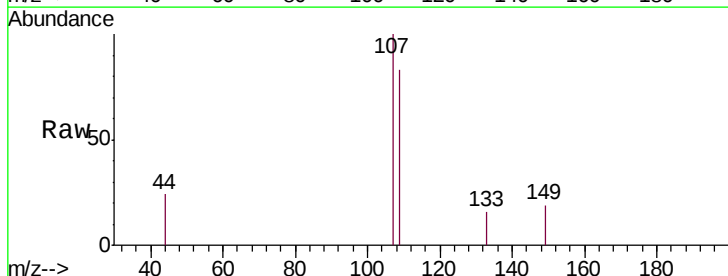


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

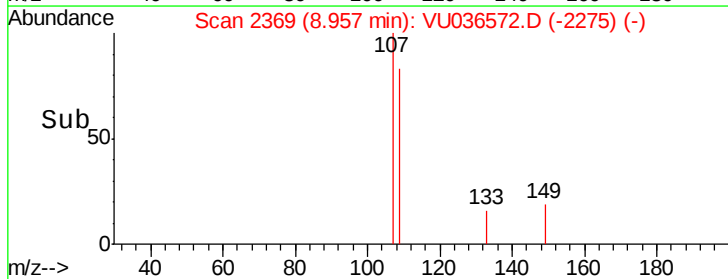
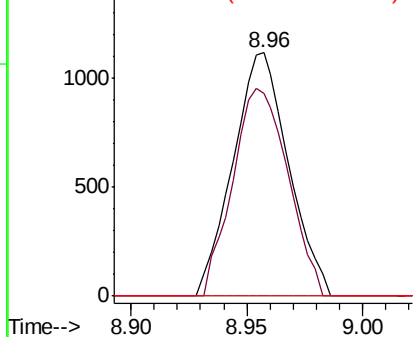


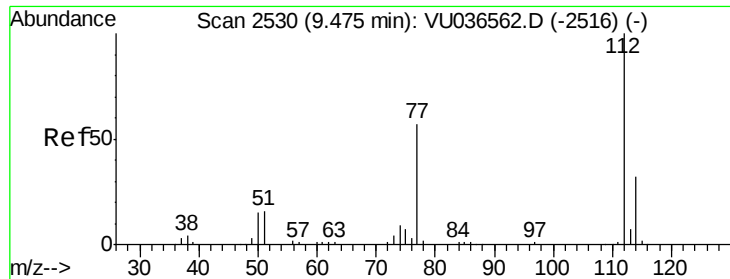
#50
1,2-Dibromoethane
Concen: 0.268 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion:107 Resp: 1859
Ion Ratio Lower Upper
107 100
109 83.3 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

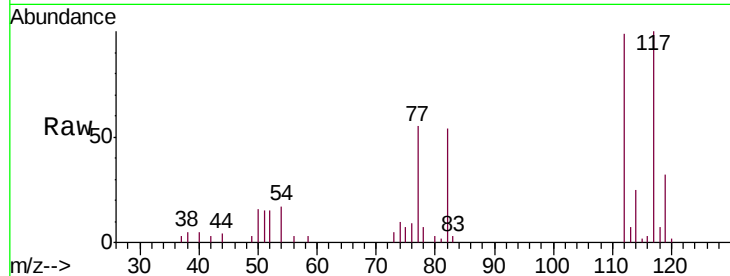




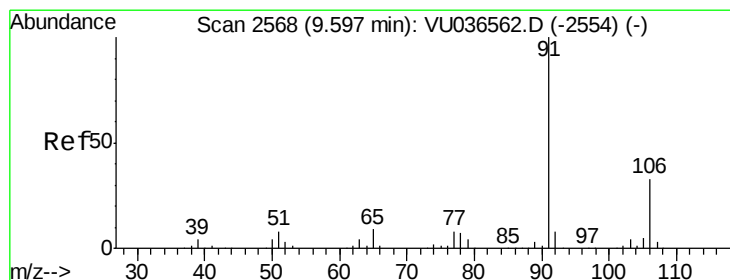
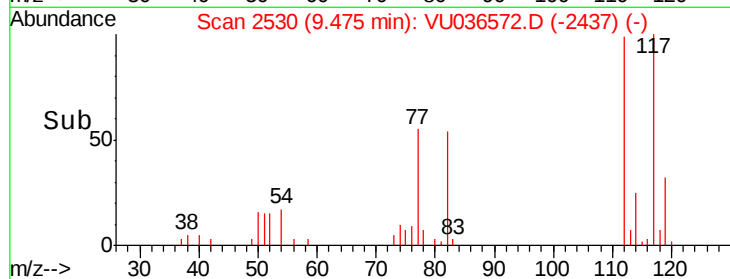
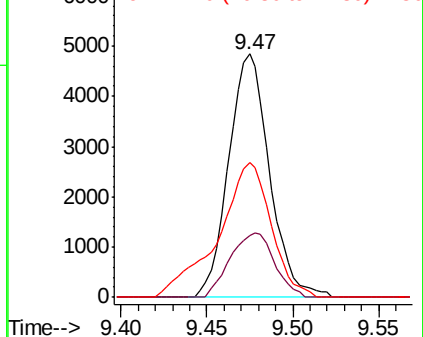
#51
Chlorobenzene
Concen: 0.290 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 112 Resp: 7986
Ion Ratio Lower Upper
112 100
114 25.4 23.2 43.2
77 55.5 45.9 68.9

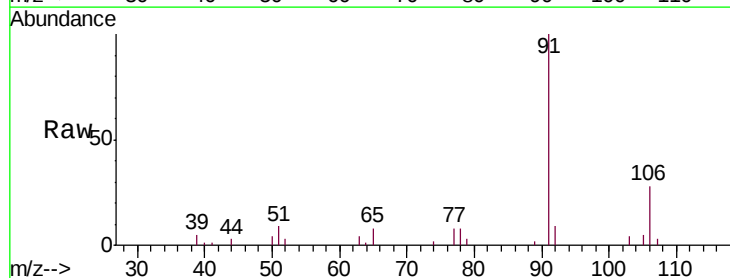


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

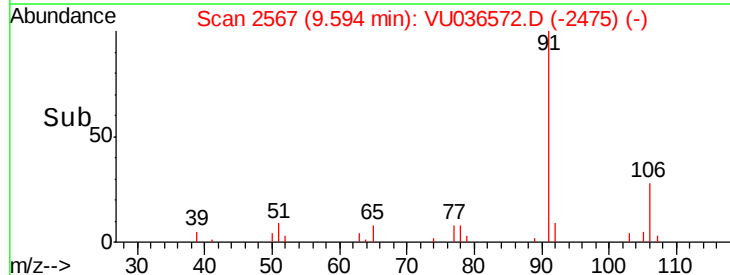
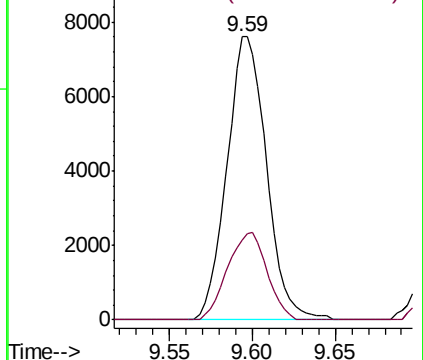


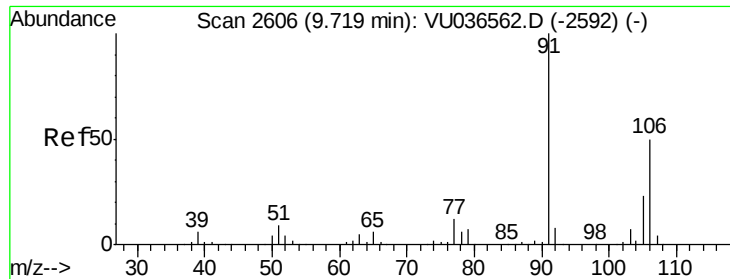
#52
Ethylbenzene
Concen: 0.270 ug/L
RT: 9.59 min Scan# 2567
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 91 Resp: 12594
Ion Ratio Lower Upper
91 100
106 28.3 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.268 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

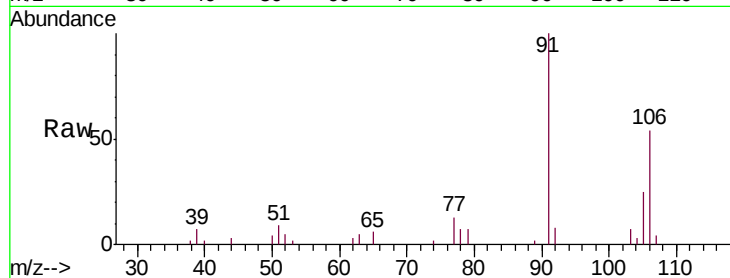
MDL06

Tgt Ion:106 Resp: 4847

Ion Ratio Lower Upper

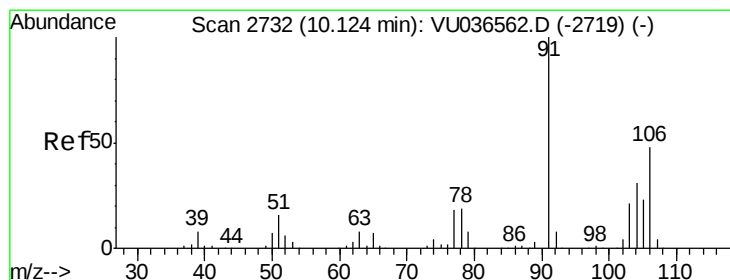
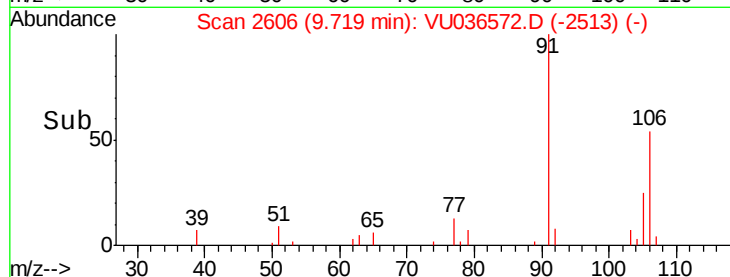
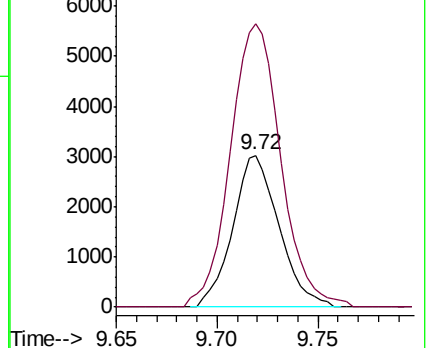
106 100

91 186.5 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.269 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036572.D

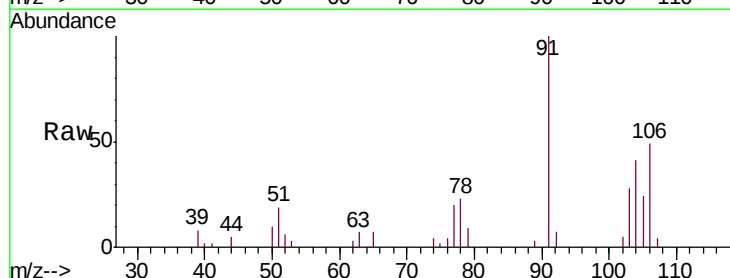
Acq: 28 Jan 2020 12:30

Tgt Ion:106 Resp: 4762

Ion Ratio Lower Upper

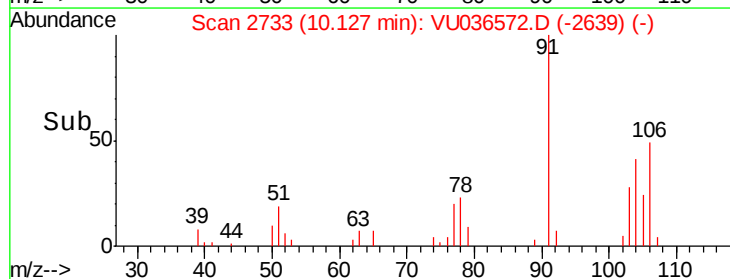
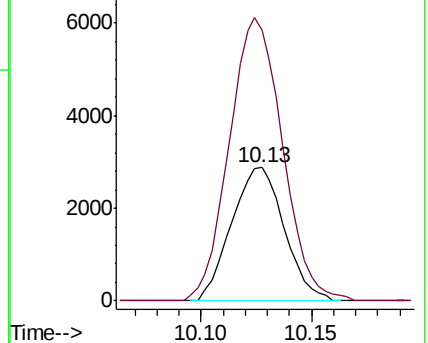
106 100

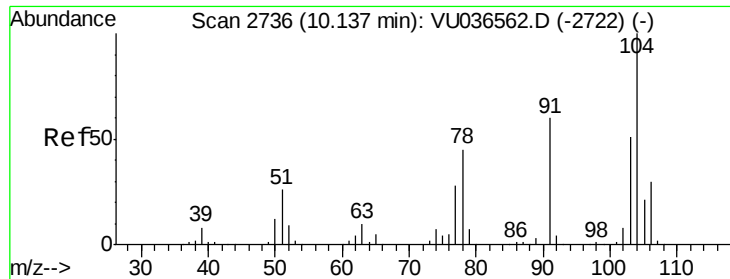
91 203.1 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.284 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

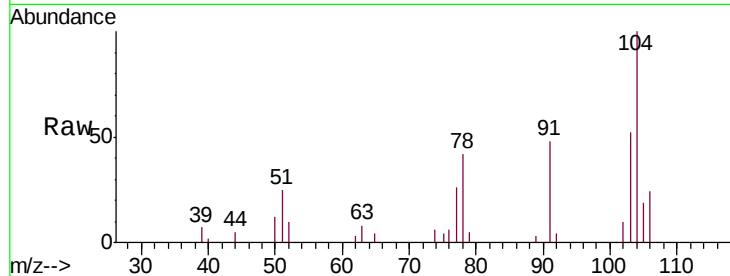
MDL06

Tgt Ion:104 Resp: 8274

Ion Ratio Lower Upper

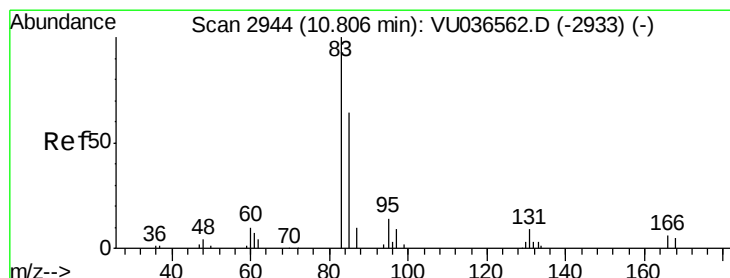
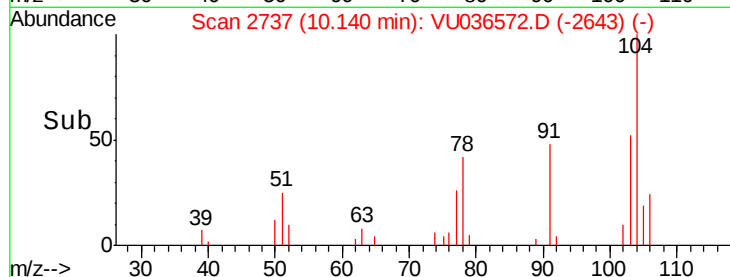
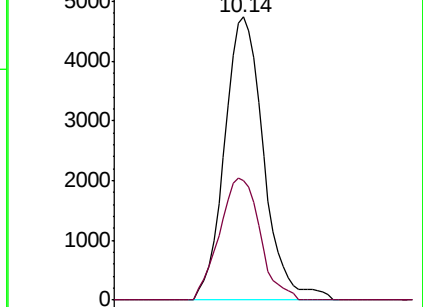
104 100

78 42.3 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: 0.271 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

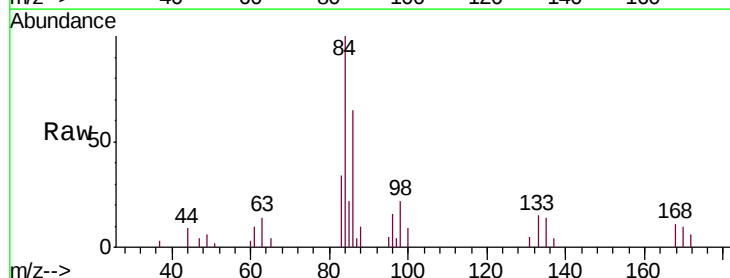
Tgt Ion: 83 Resp: 2426

Ion Ratio Lower Upper

83 100

85 63.8 47.0 87.4

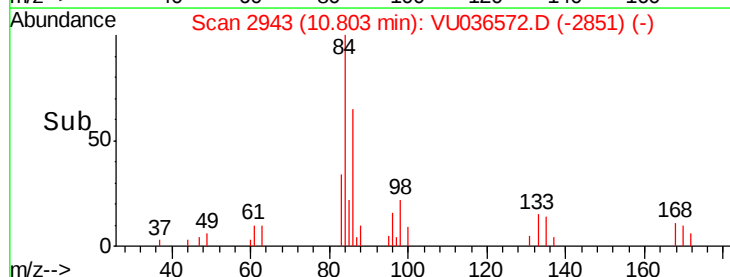
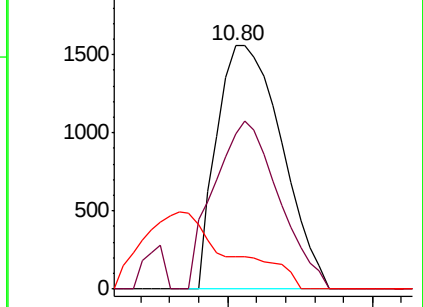
131 13.2 8.1 12.1#

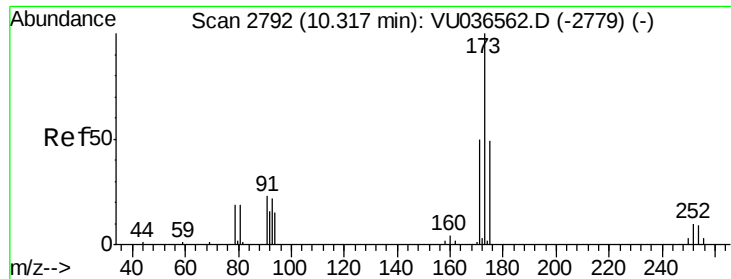


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

Bromoform

Concen: 0.254 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

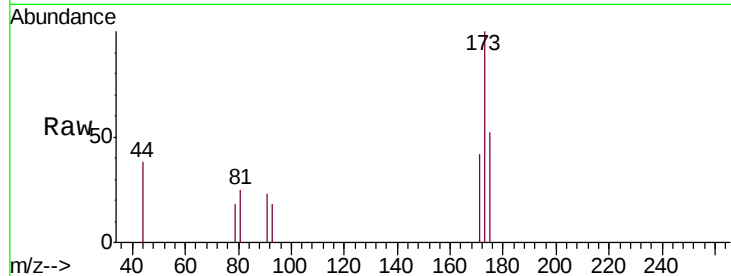
Tgt Ion:173 Resp: 1094

Ion Ratio Lower Upper

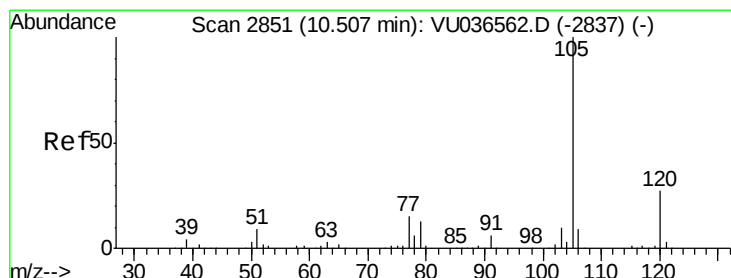
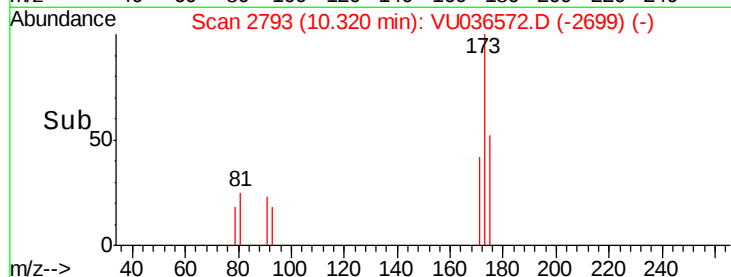
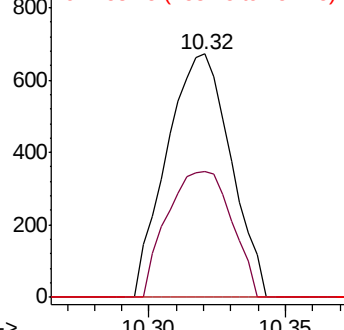
173 100

175 52.2 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: 0.287 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

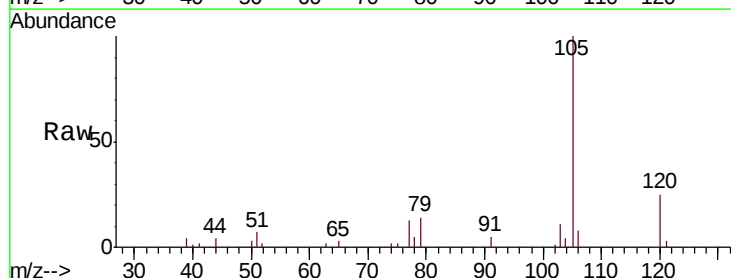
Tgt Ion:105 Resp: 12421

Ion Ratio Lower Upper

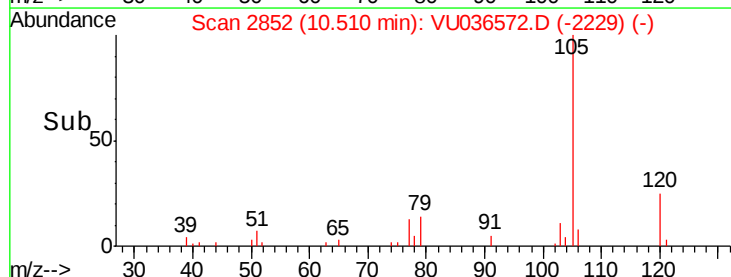
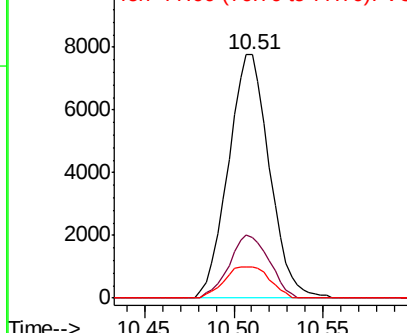
105 100

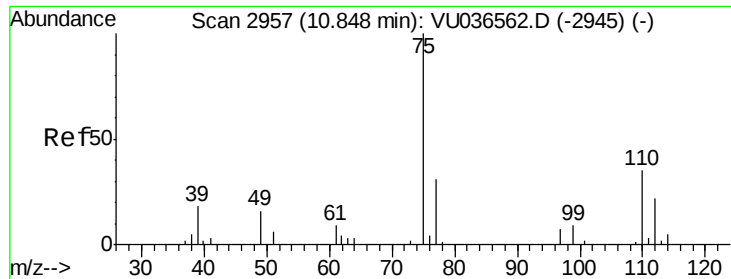
120 25.0 21.5 32.3

77 14.1 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

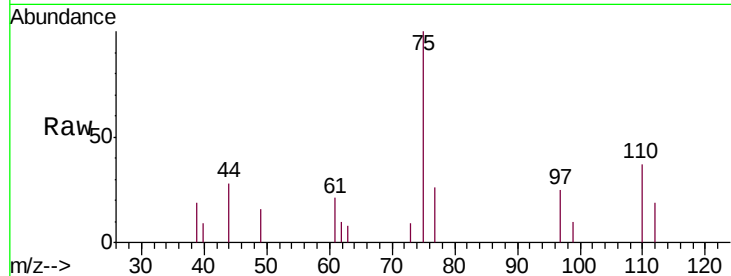




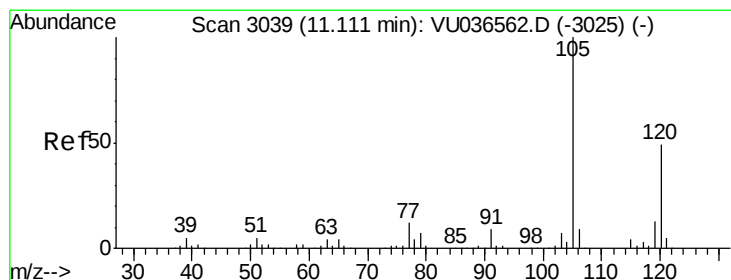
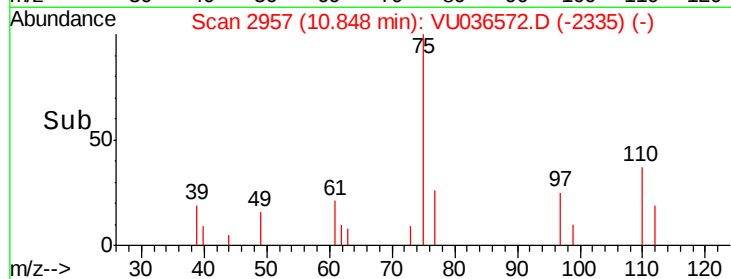
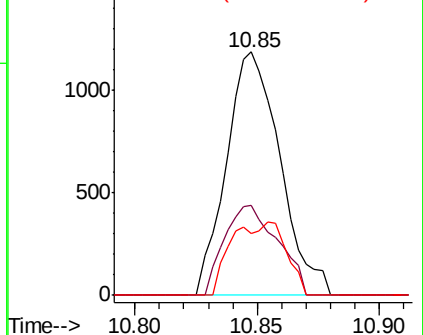
#61
 1,2,3-Trichloropropane
 Concen: 0.304 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 75 Resp: 1814
 Ion Ratio Lower Upper
 75 100
 110 37.0 29.0 43.4
 77 14.3 25.8 38.6#

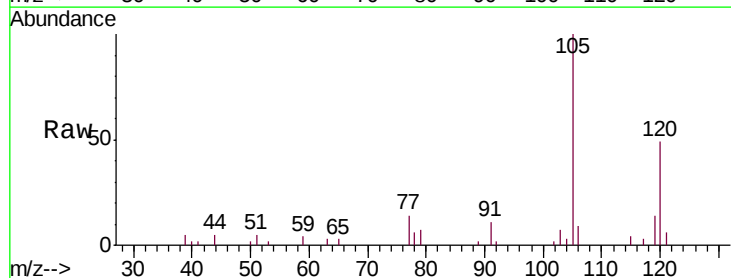


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

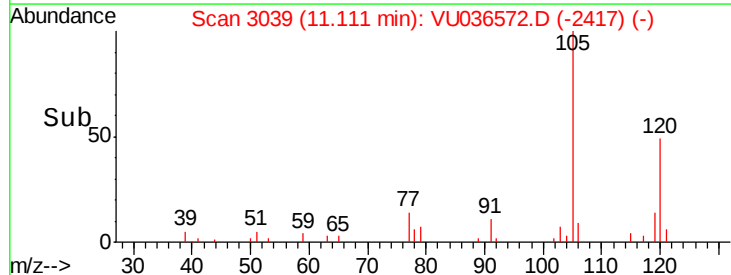
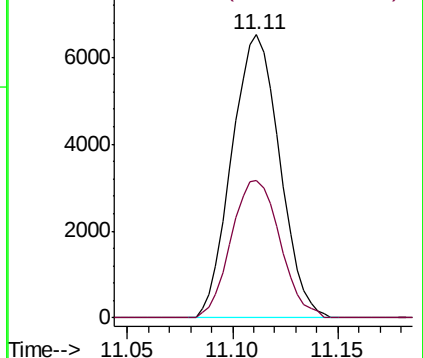


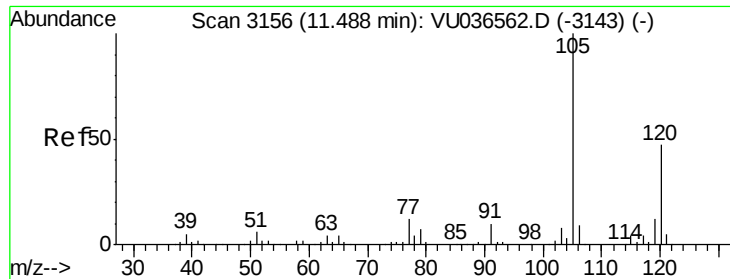
#62
 1,3,5-Trimethylbenzene
 Concen: 0.277 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion: 105 Resp: 10291
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.7 59.5



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

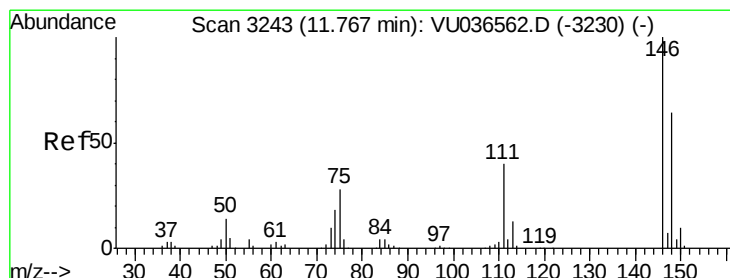
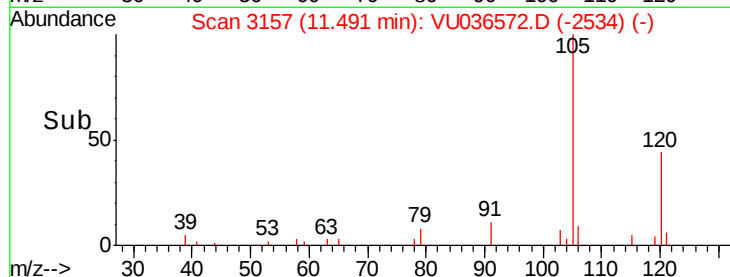
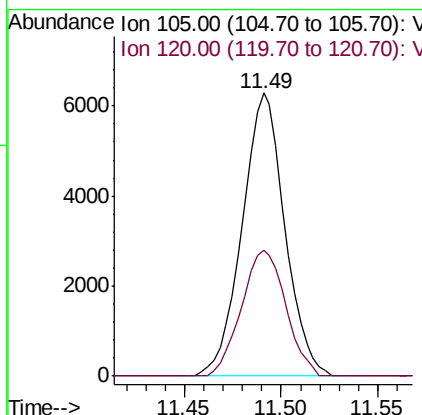
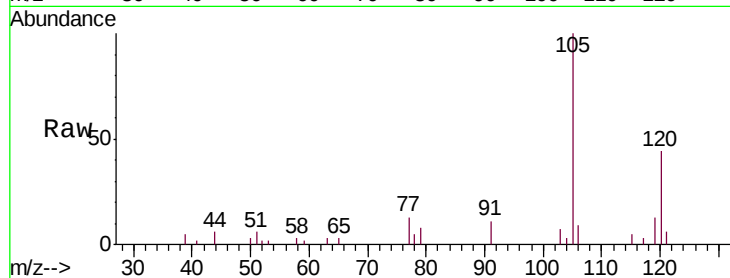




#63
 1,2,4-Trimethylbenzene
 Concen: 0.262 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

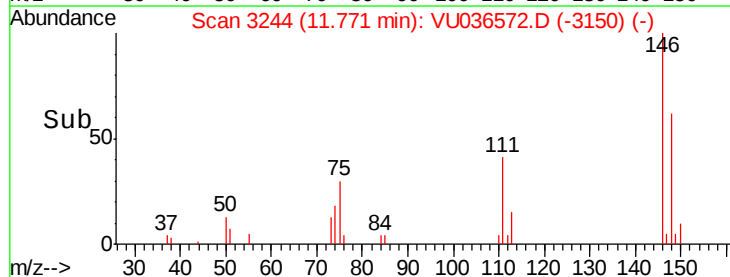
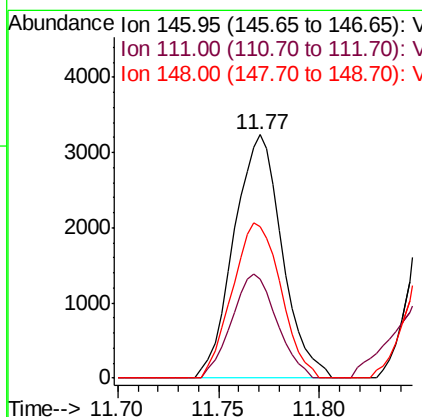
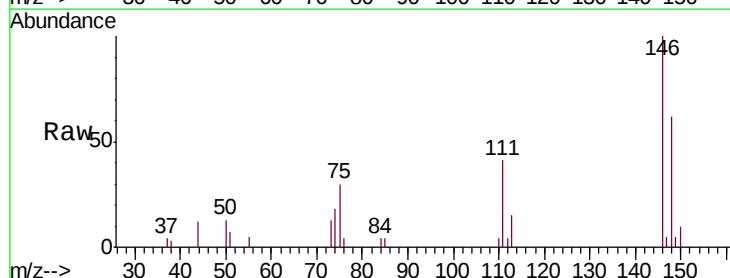
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

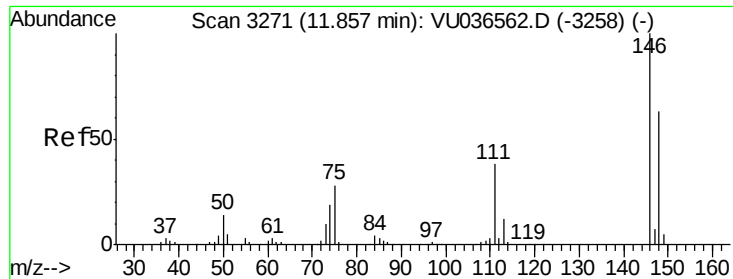
Tgt Ion:105 Resp: 9646
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.9 55.3



#64
 1,3-Dichlorobenzene
 Concen: 0.268 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion:146 Resp: 5421
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.8 53.6
 148 62.3 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.278 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

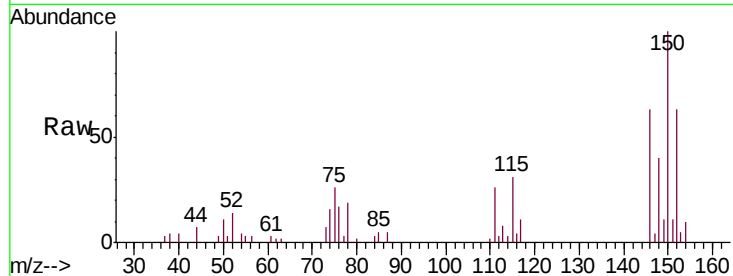
Tgt Ion:146 Resp: 5618

Ion Ratio Lower Upper

146 100

111 41.5 27.2 50.6

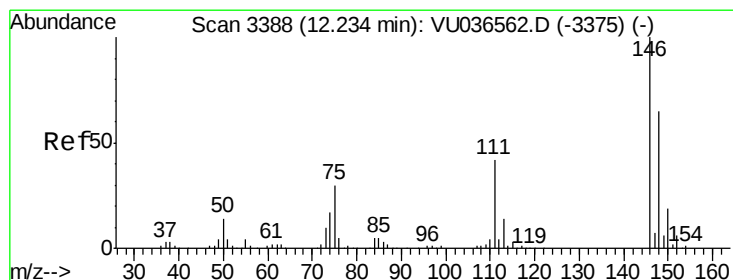
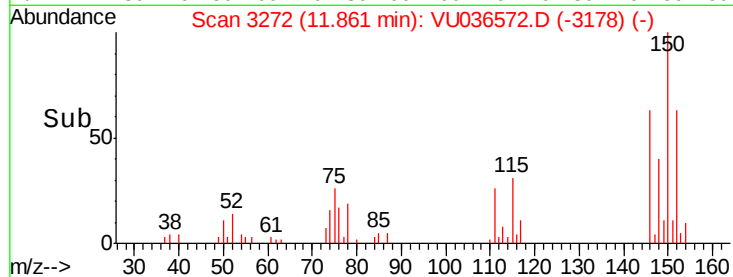
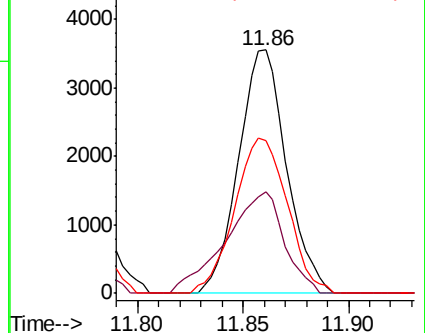
148 63.0 44.8 83.2



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: 0.282 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

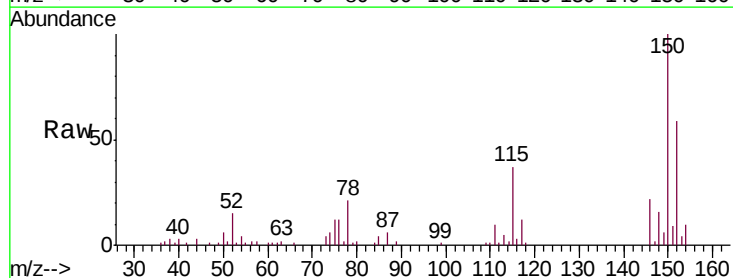
Tgt Ion:146 Resp: 5450

Ion Ratio Lower Upper

146 100

111 47.3 33.4 50.0

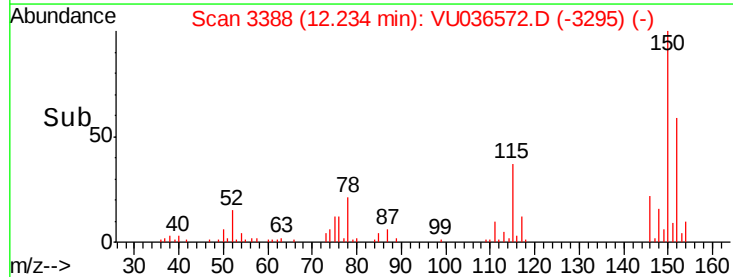
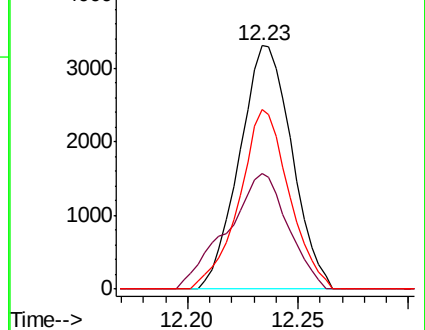
148 73.8 51.0 76.4

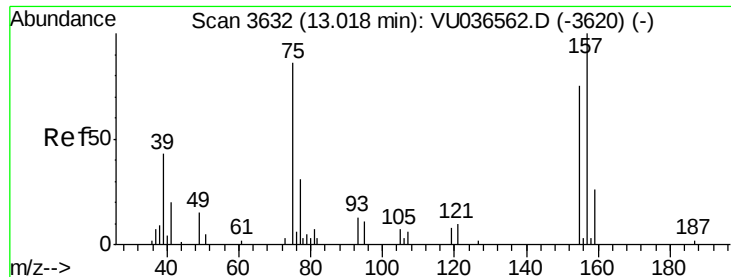


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

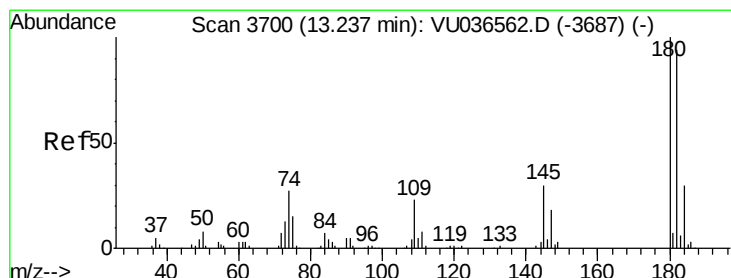
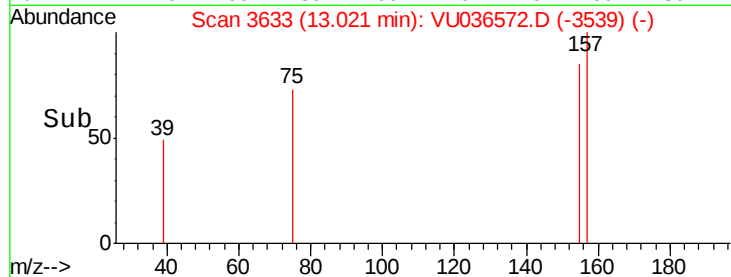
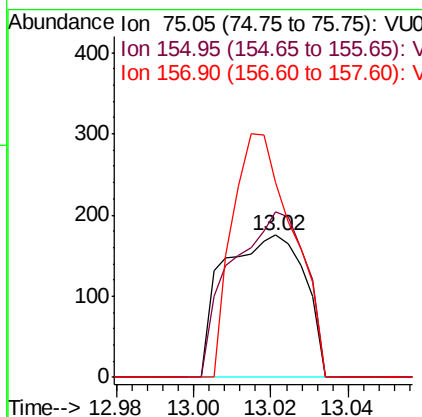
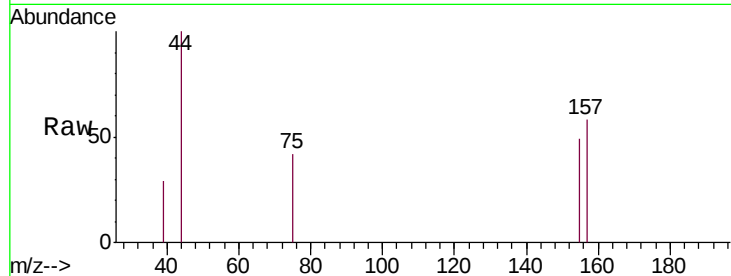




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.202 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

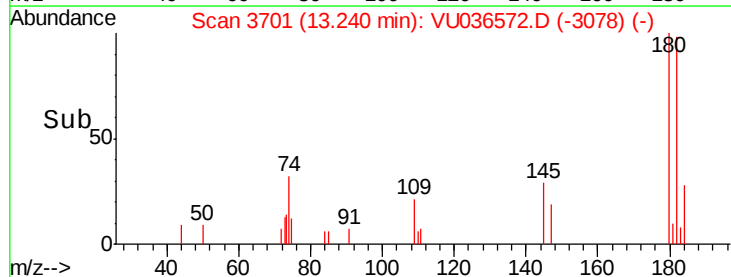
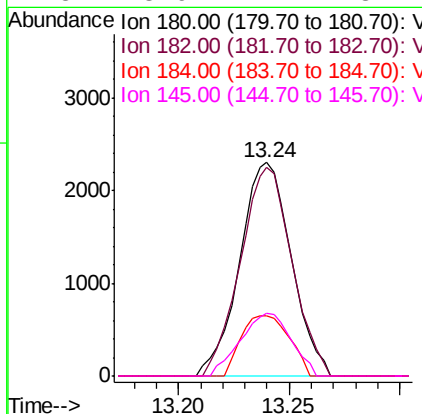
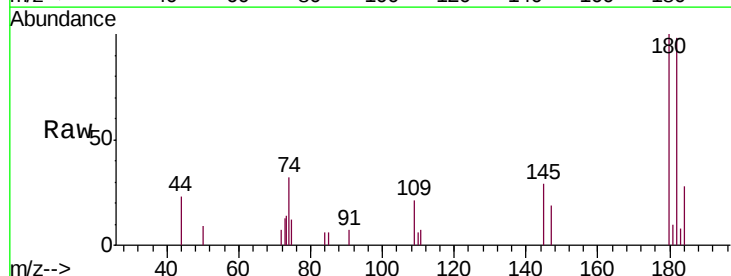
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

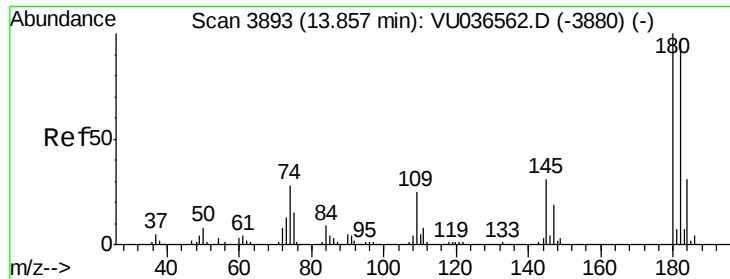
Tgt Ion: 75 Resp: 255
 Ion Ratio Lower Upper
 75 100
 155 116.6 64.2 96.4#
 157 137.7 85.1 127.7#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.240 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion: 180 Resp: 3725
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.2 112.8
 184 26.3 23.9 35.9
 145 28.9 22.7 34.1

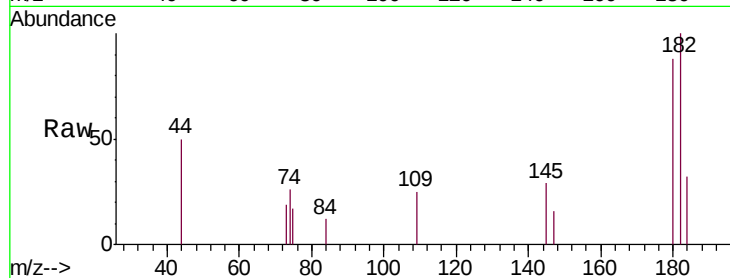




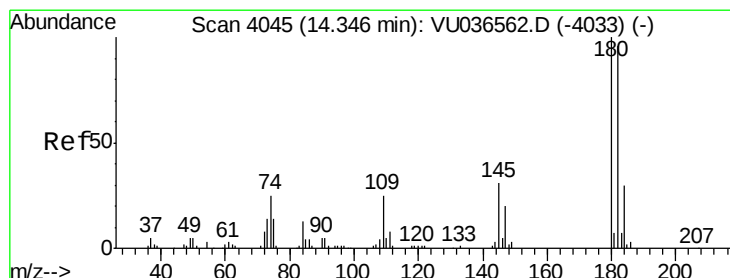
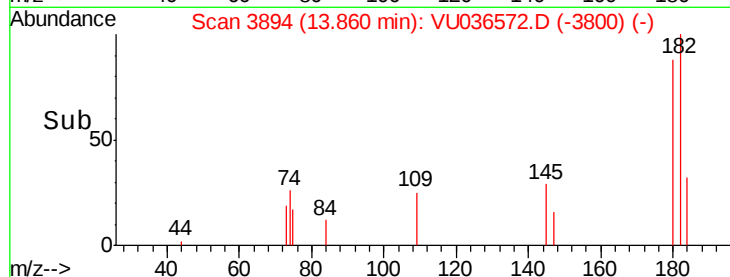
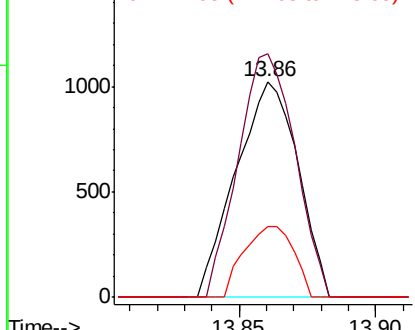
#70
 1,2,4-trichlorobenzene
 Concen: 0.143 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 1613
 Ion Ratio Lower Upper
 180 100
 182 103.8 76.2 114.4
 145 26.5 23.9 35.9

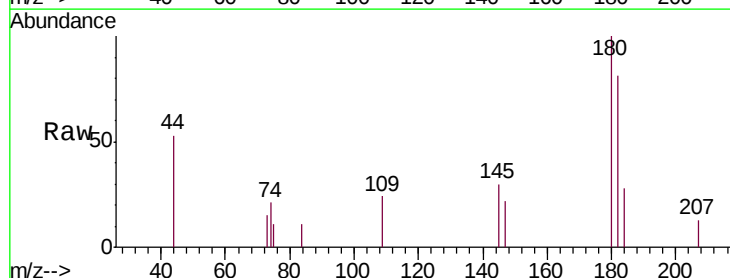


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#72
 1,2,3-Trichlorobenzene
 Concen: 0.158 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. 0.01 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion:180 Resp: 1609
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.2 114.2
 145 29.9 25.6 38.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

