

Data File : VU036763.D
Acq On : 12 Feb 2020 20:31
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Feb 13 01:05:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 13 00:59:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	132034	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	122823	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	57726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48609	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.93	69	43927	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.59	63	87047	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	4.67	46	127338	53.48	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.96%
24) Chloroform-d	5.11	84	85837	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.74	65	47912	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	178425	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.73	67	57533	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.92	98	169418	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.20	79	21990	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.66	63	110789	52.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	44561	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	55201	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41178	4.722	ug/L 99
3) Chloromethane	1.54	50	41930	4.620	ug/L 98
5) Vinyl chloride	1.62	62	48335	4.559	ug/L 97
6) Bromomethane	1.87	94	25009	3.926	ug/L 99
8) Chloroethane	1.95	64	31951	4.314	ug/L 97
9) Trichlorofluoromethane	2.16	101	65257	4.679	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	40128	4.505	ug/L 99
12) 1,1-Dichloroethene	2.60	96	37289	4.643	ug/L 95
13) Acetone	2.66	43	109451	35.946	ug/L 99
14) Carbon disulfide	2.82	76	83713	4.319	ug/L 98
15) Methyl Acetate	2.98	43	19936	4.934	ug/L 99
16) Methylene chloride	3.08	84	64155	4.739	ug/L 99
17) Methyl tert-butyl Ether	3.41	73	116259	4.887	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	40020	4.829	ug/L 97
19) 1,1-Dichloroethane	3.91	63	83947	4.830	ug/L 99
21) 2-Butanone	4.75	43	155765	43.977	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	47510	4.737	ug/L 98

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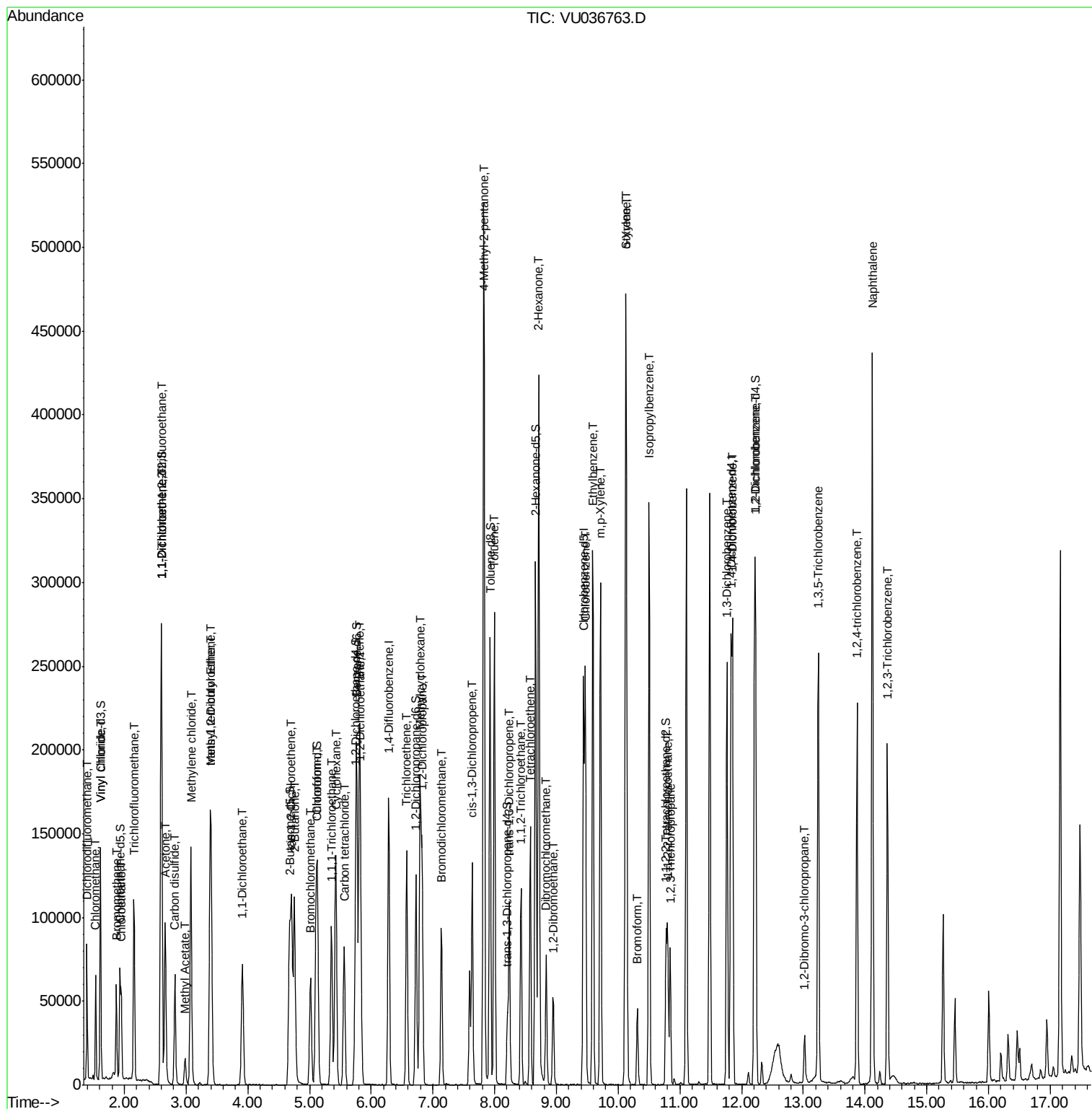
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19380	4.861	ug/L	93
25) Chloroform	5.13	83	84937	4.576	ug/L	99
27) 1,2-Dichloroethane	5.83	62	56478	4.774	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	65188	4.833	ug/L	98
30) Cyclohexane	5.43	56	68577	4.786	ug/L	99
31) Carbon tetrachloride	5.56	117	52250	4.801	ug/L	100
33) Benzene	5.81	78	180453	4.763	ug/L	100
34) Trichloroethene	6.57	95	46094	4.777	ug/L	98
35) Methylcyclohexane	6.79	83	72133	4.711	ug/L	98
37) 1,2-Dichloropropane	6.83	63	50464	4.878	ug/L	99
38) Bromodichloromethane	7.14	83	58604	4.747	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	72290	4.830	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	336076	50.348	ug/L	99
42) Toluene	8.00	91	197212	4.847	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	58046	4.962	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	35068	4.873	ug/L	99
47) Tetrachloroethene	8.58	164	31410	4.785	ug/L	99
48) 2-Hexanone	8.71	43	260751	45.647	ug/L	99
49) Dibromochloromethane	8.83	129	36273	4.874	ug/L	96
50) 1,2-Dibromoethane	8.95	107	31853	4.901	ug/L	96
51) Chlorobenzene	9.47	112	121560	4.829	ug/L	98
52) Ethylbenzene	9.59	91	220478	4.852	ug/L	99
53) m,p-Xylene	9.72	106	81640	4.882	ug/L	96
54) o-Xylene	10.12	106	80590	4.907	ug/L	97
55) Styrene	10.13	104	134747	4.867	ug/L	100
56) Isopropylbenzene	10.50	105	216065	4.916	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	45590	4.840	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	32549	4.766	ug/L	99
61) Bromoform	10.31	173	18728	4.709	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	93800	4.716	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	95037	4.820	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	91319	4.763	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	7373	5.153	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	71778	5.126	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	62712	5.939	ug/L	99
69) Naphthalene	14.12	128	340237	17.786	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	56345	5.946	ug/L	99

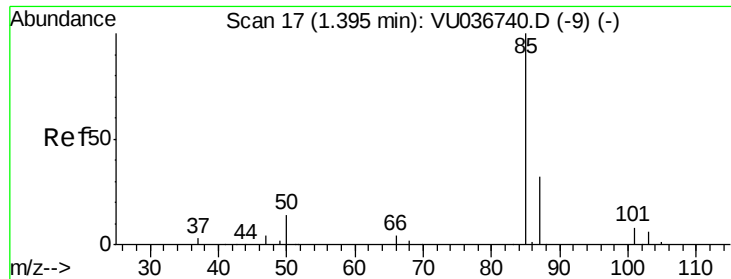
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.722 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

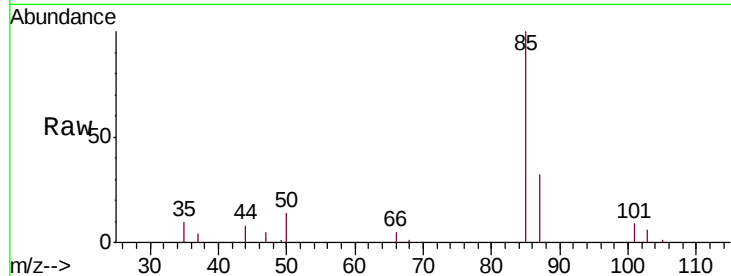
VSTD00515

Tgt Ion: 85 Resp: 41178

Ion Ratio Lower Upper

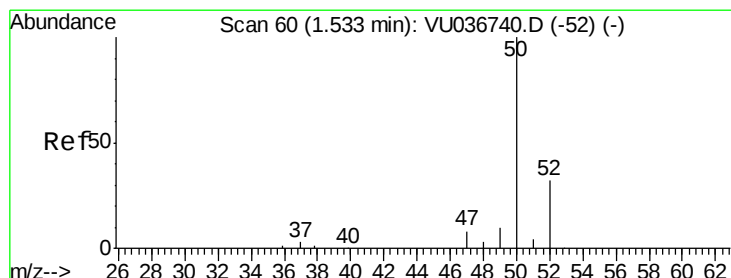
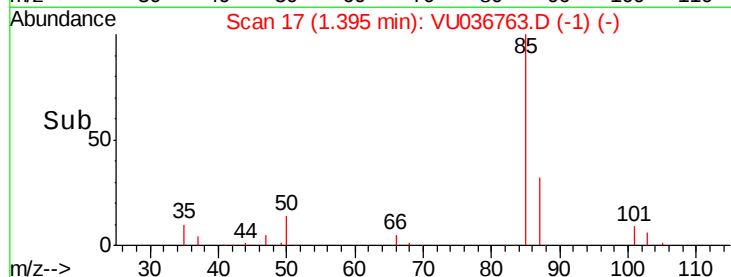
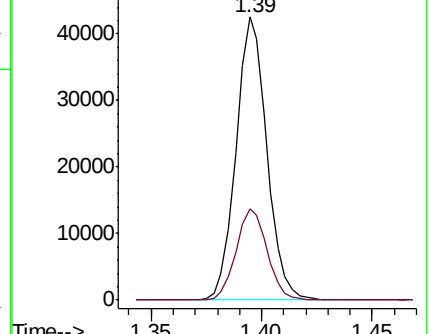
85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036740.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036740.D (-9) (-)



#3

Chloromethane

Concen: 4.620 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036763.D

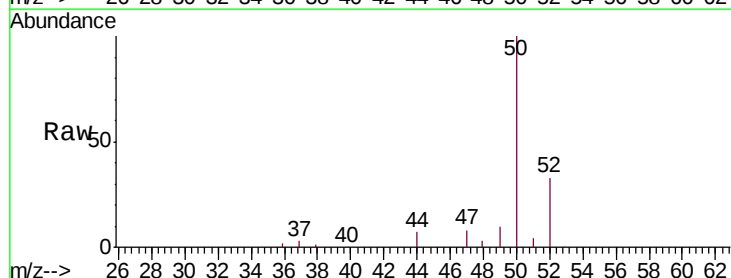
Acq: 12 Feb 2020 20:31

Tgt Ion: 50 Resp: 41930

Ion Ratio Lower Upper

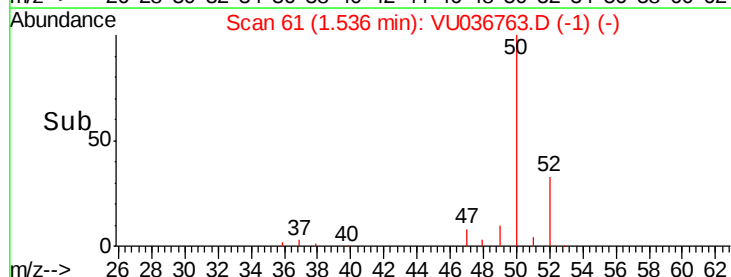
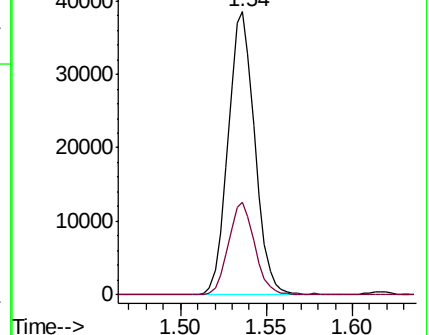
50 100

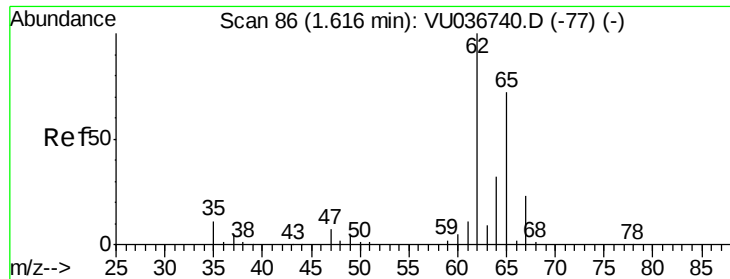
52 32.6 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036740.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036740.D (-52) (-)





#5

Vinyl chloride

Concen: 4.559 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

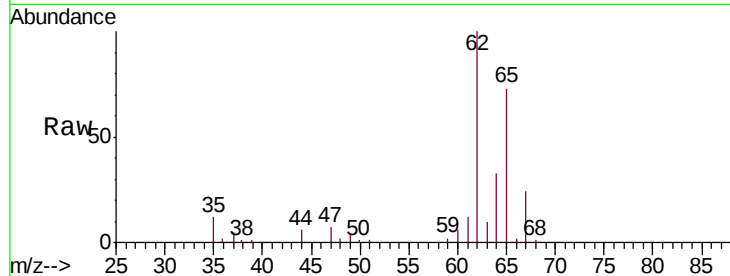
VSTD00515

Tgt Ion: 62 Resp: 48335

Ion Ratio Lower Upper

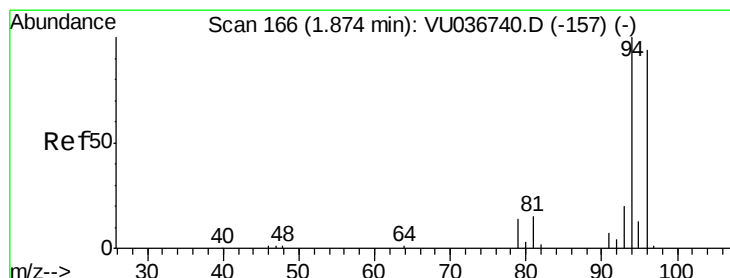
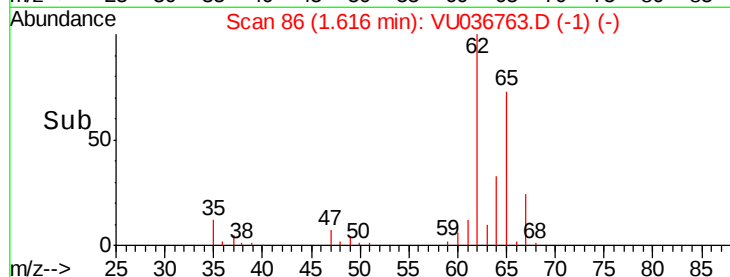
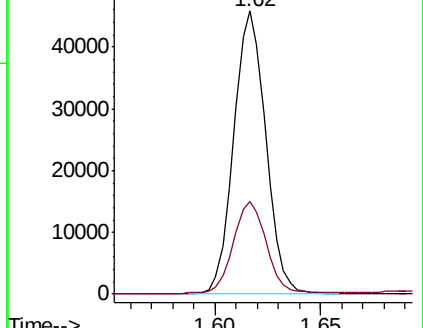
62 100

64 32.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036740.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036740.D (-77) (-)



#6

Bromomethane

Concen: 3.926 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036763.D

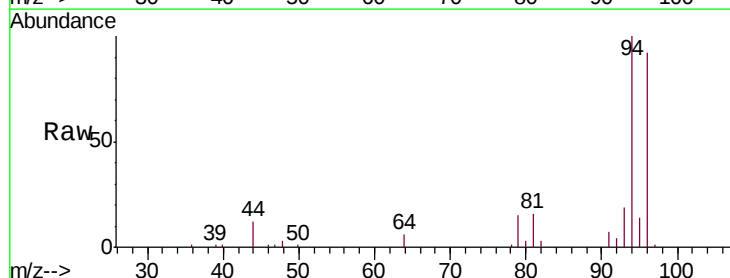
Acq: 12 Feb 2020 20:31

Tgt Ion: 94 Resp: 25009

Ion Ratio Lower Upper

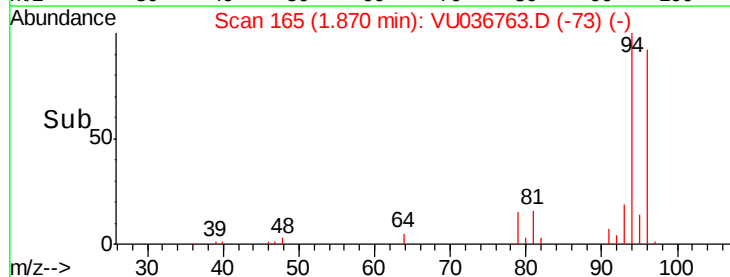
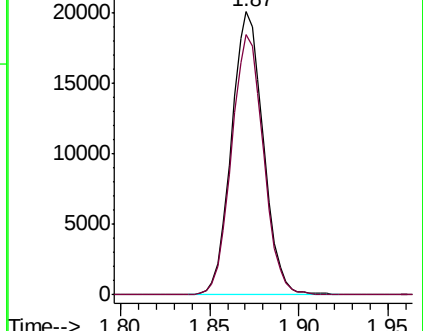
94 100

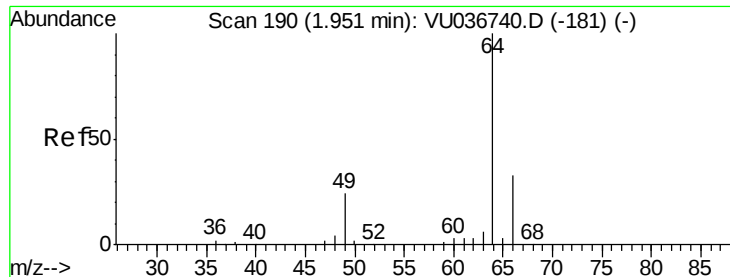
96 91.8 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036740.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU036740.D (-157) (-)

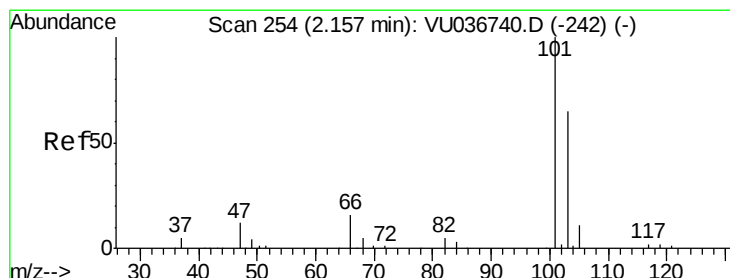
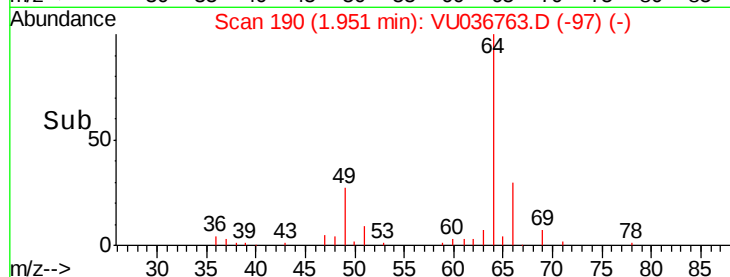
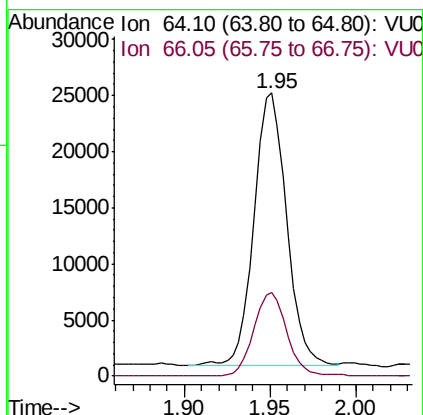
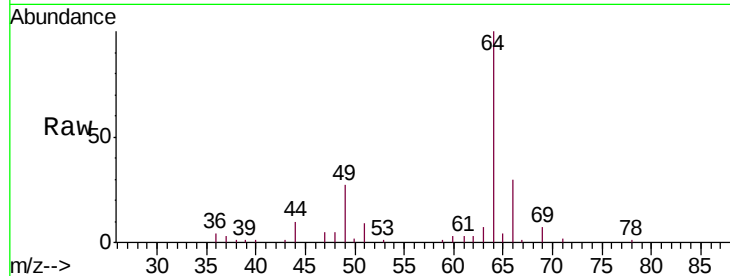




#8
 Chloroethane
 Concen: 4.314 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

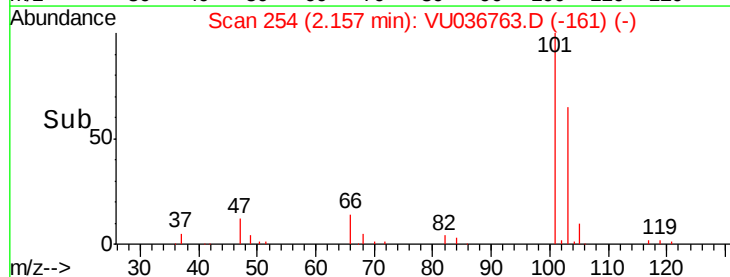
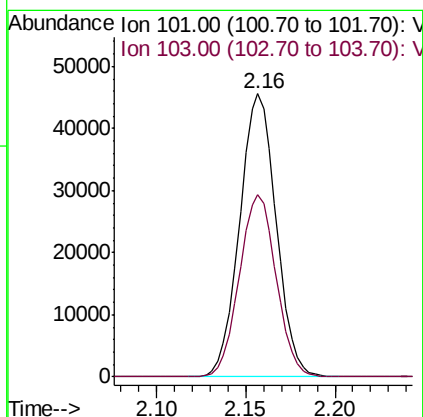
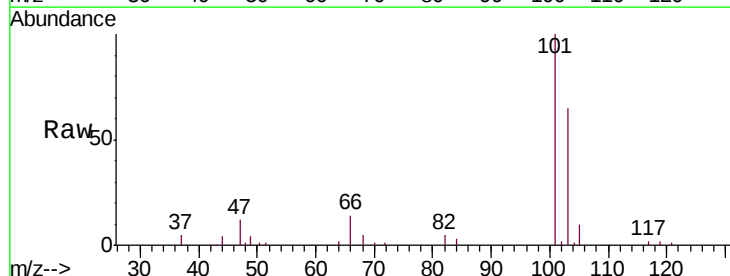
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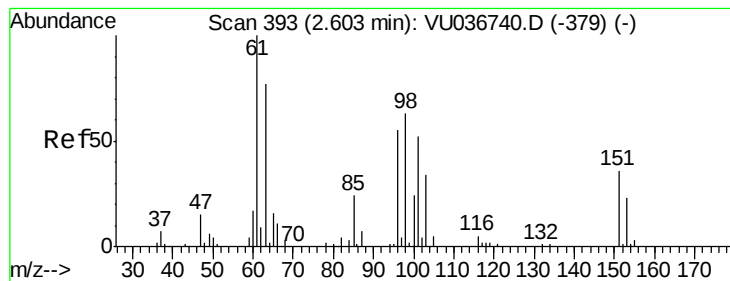
Tgt Ion: 64 Resp: 31951
 Ion Ratio Lower Upper
 64 100
 66 29.8 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 4.679 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 101 Resp: 65257
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6





#10

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

Concen: 4.505 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

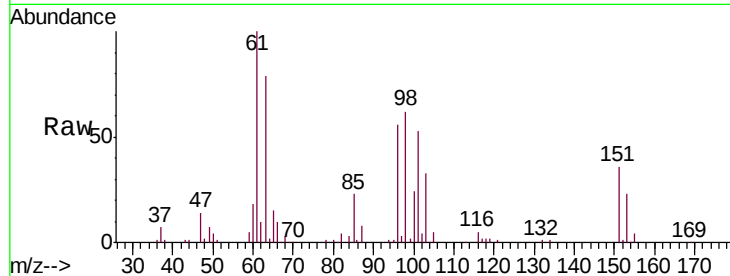
Tgt Ion: 101 Resp: 40128

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

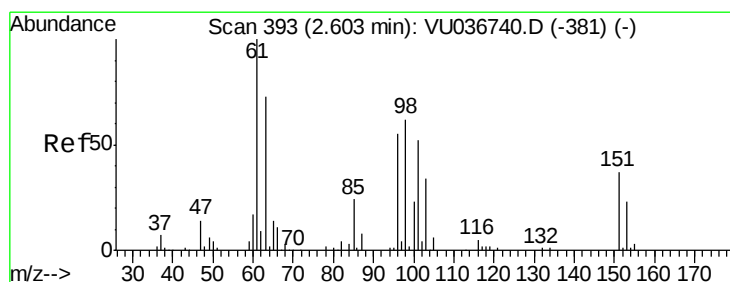
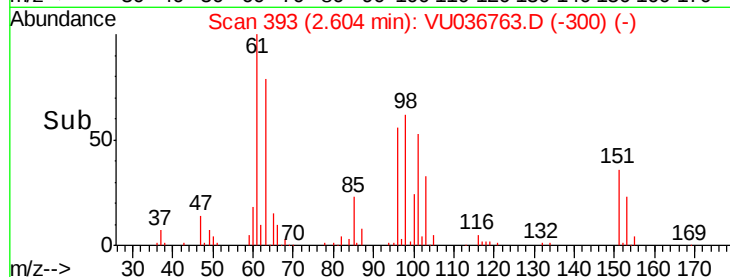
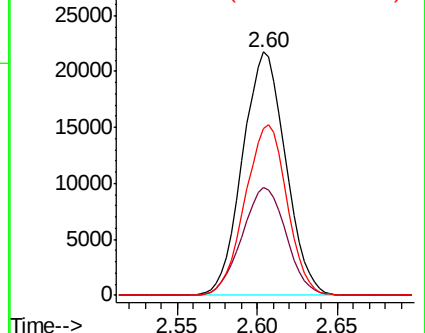
151 68.3 54.0 81.0



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: 4.643 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

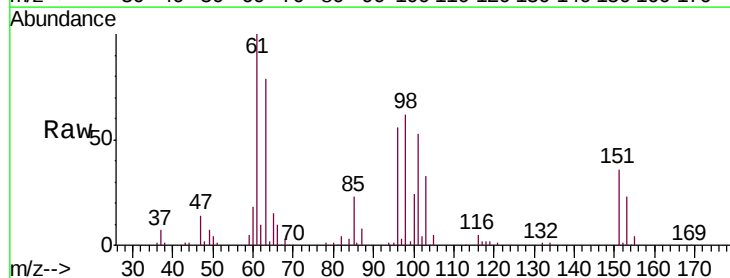
Tgt Ion: 96 Resp: 37289

Ion Ratio Lower Upper

96 100

61 179.6 126.4 234.8

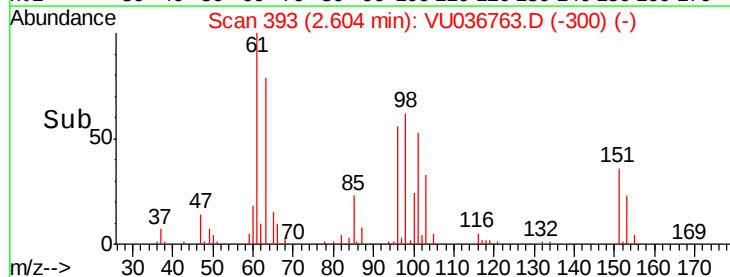
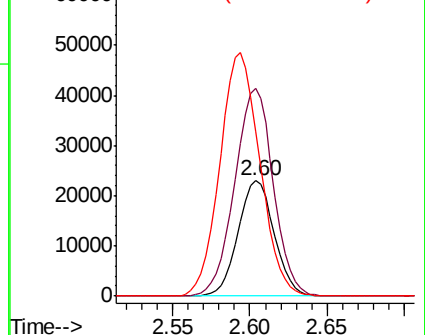
63 141.7 89.5 166.3

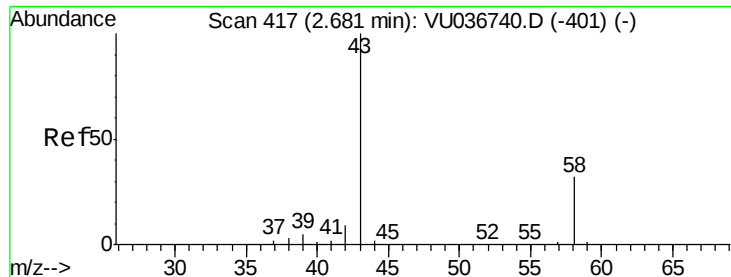


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.946 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

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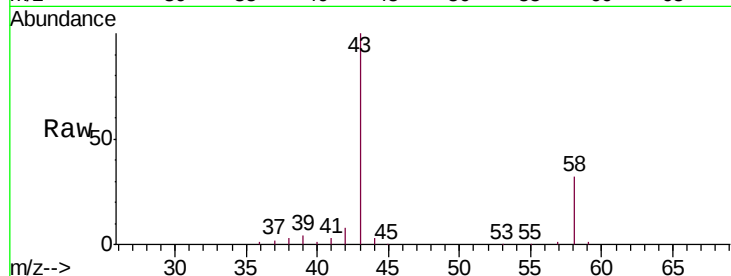
VSTD00515

Tgt Ion: 43 Resp: 109451

Ion Ratio Lower Upper

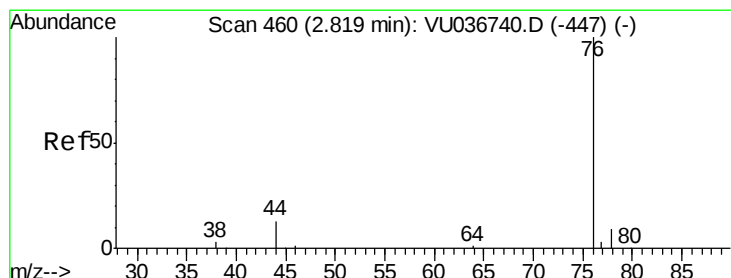
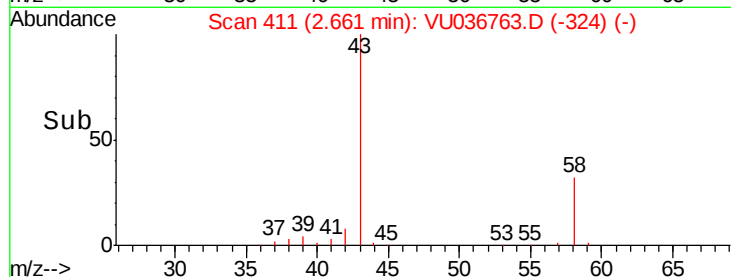
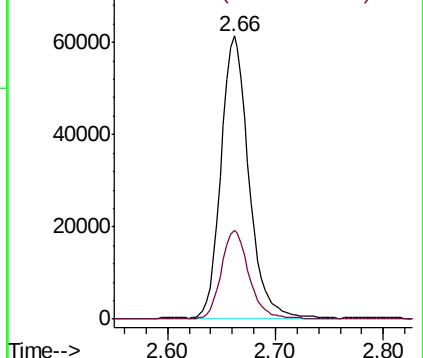
43 100

58 31.6 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036740.D (-401) (-)



#14

Carbon disulfide

Concen: 4.319 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

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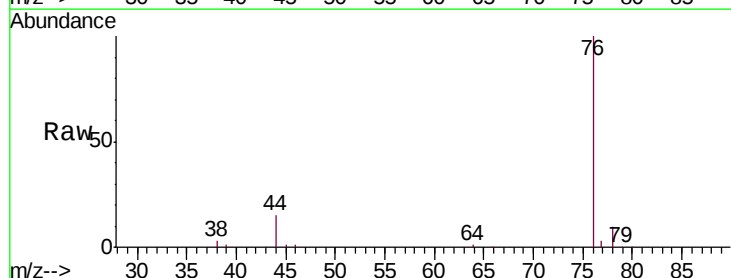
Acq: 12 Feb 2020 20:31

Tgt Ion: 76 Resp: 83713

Ion Ratio Lower Upper

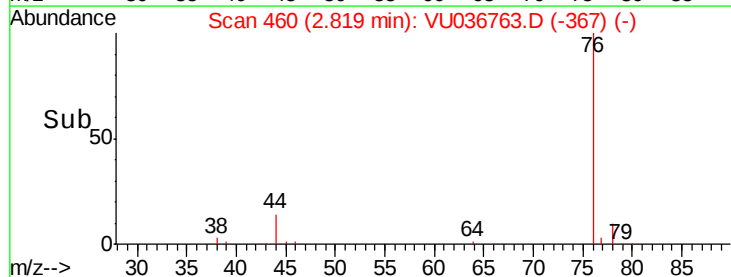
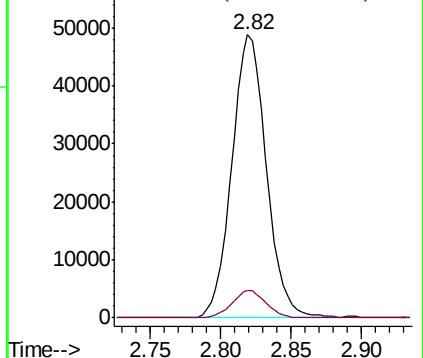
76 100

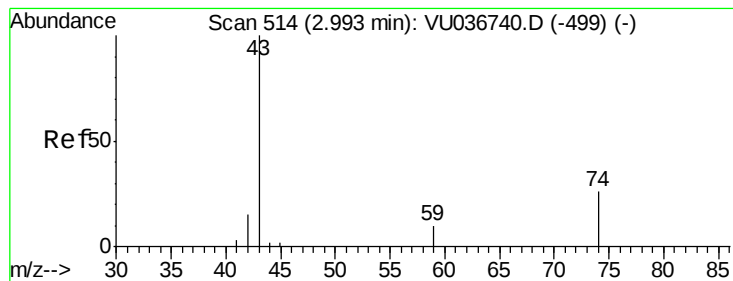
78 9.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036740.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036740.D (-447) (-)





#15

Methyl Acetate

Concen: 4.934 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

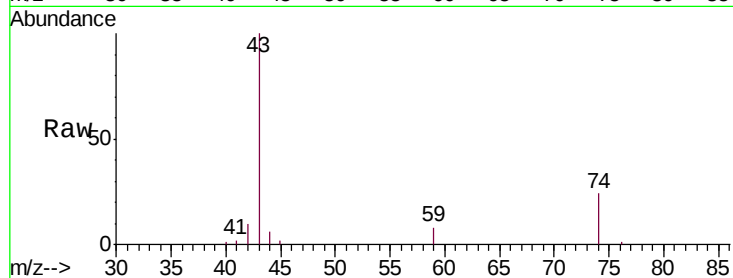
VSTD00515

Tgt Ion: 43 Resp: 19936

Ion Ratio Lower Upper

43 100

74 23.9 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-499) (-)

Ion 74.05 (73.75 to 74.75): VU036740.D (-499) (-)

12000

10000

8000

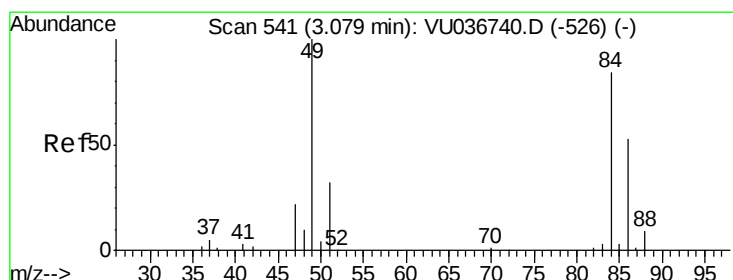
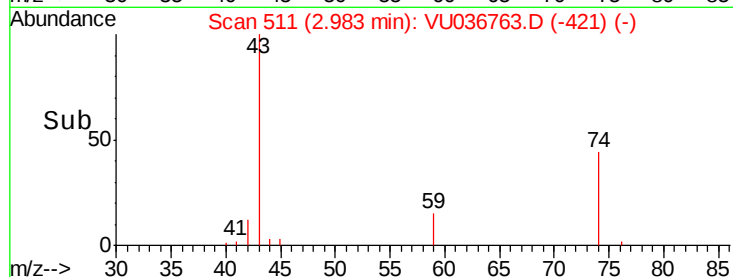
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.739 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

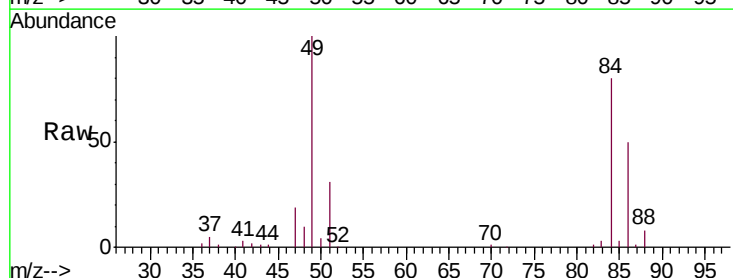
Tgt Ion: 84 Resp: 64155

Ion Ratio Lower Upper

84 100

86 62.4 44.7 82.9

49 125.3 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VU036740.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU036740.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU036740.D (-526) (-)

60000

50000

40000

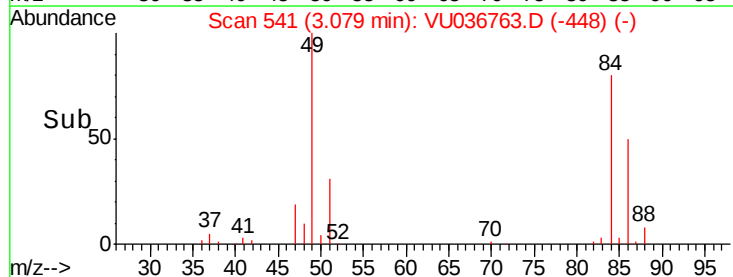
30000

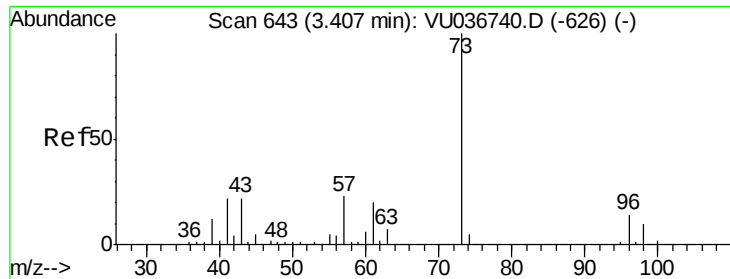
20000

10000

0

Time-->





#17

Methyl tert-butyl Ether

Concen: 4.887 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

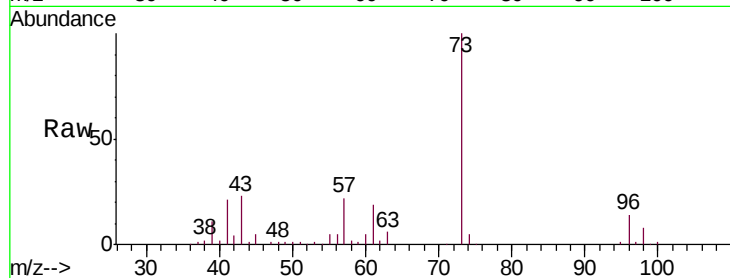
Tgt Ion: 73 Resp: 116259

Ion Ratio Lower Upper

73 100

43 24.0 18.7 28.1

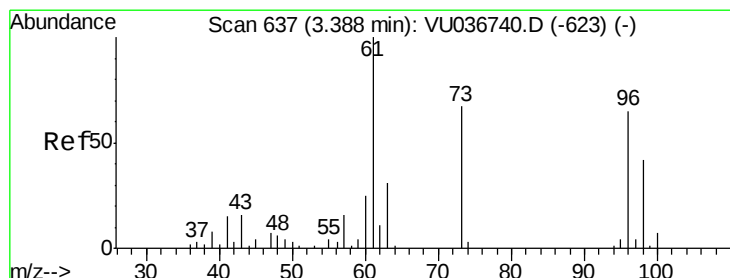
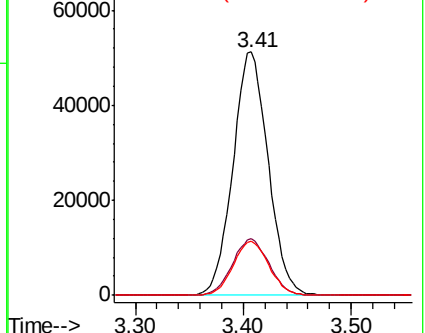
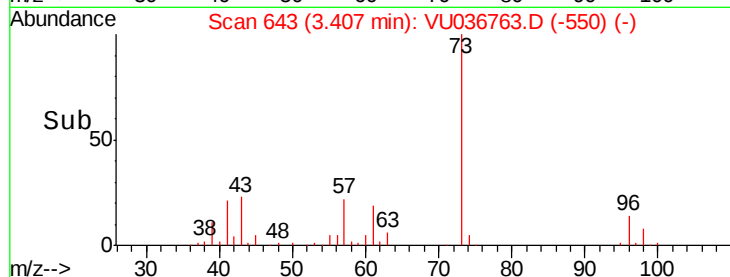
57 22.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036763.D (-550) (-)

Ion 43.05 (42.75 to 43.75): VU036763.D (-550) (-)

Ion 57.10 (56.80 to 57.80): VU036763.D (-550) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.829 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

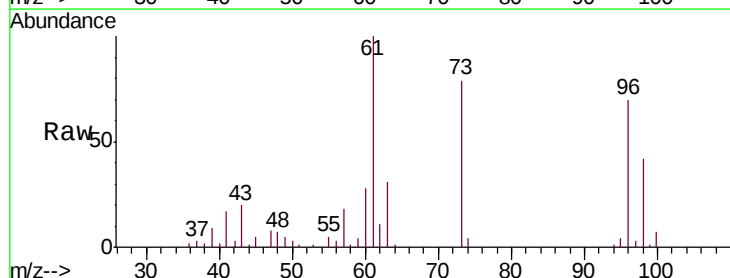
Tgt Ion: 96 Resp: 40020

Ion Ratio Lower Upper

96 100

61 143.2 102.6 190.5

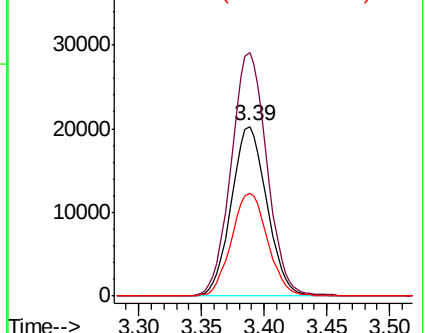
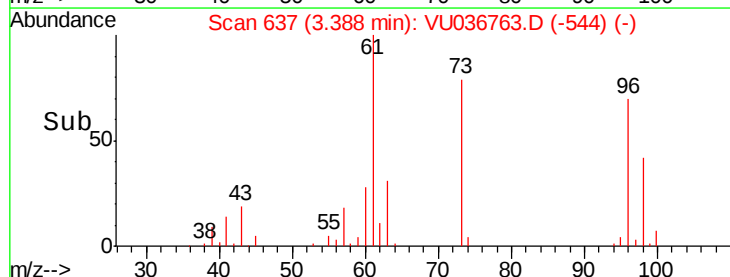
98 60.1 44.5 82.7

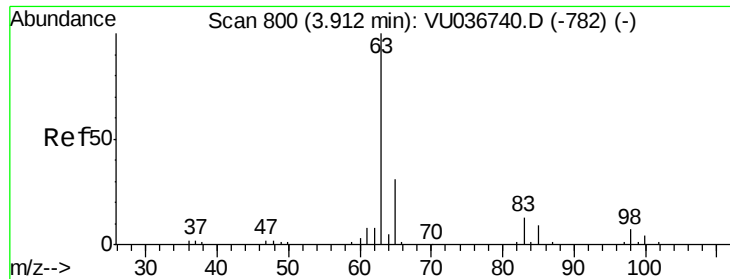


Abundance Ion 96.00 (95.70 to 96.70): VU036763.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU036763.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU036763.D (-544) (-)

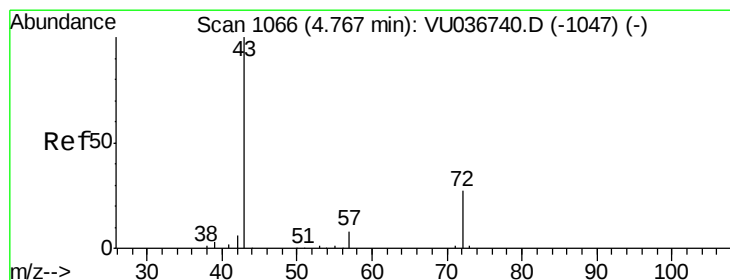
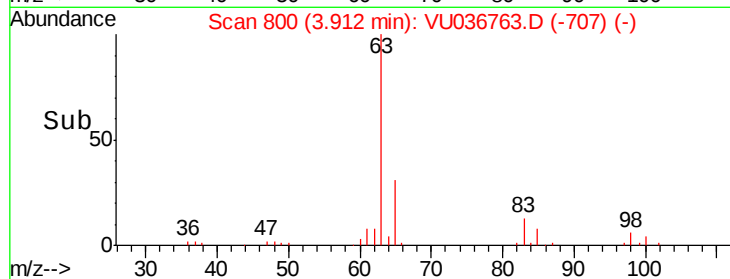
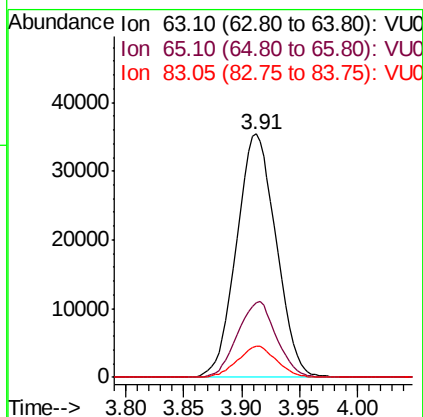
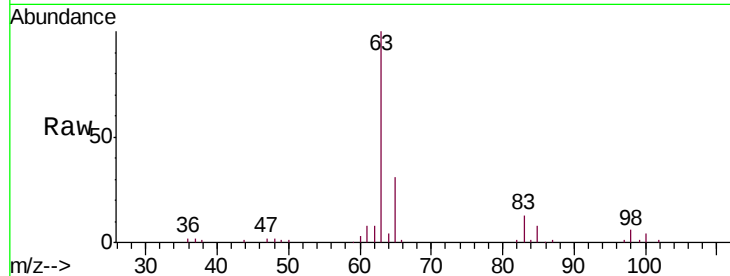




#19
 1,1-Dichloroethane
 Concen: 4.830 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

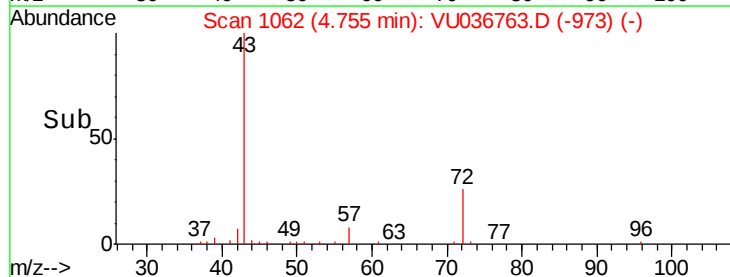
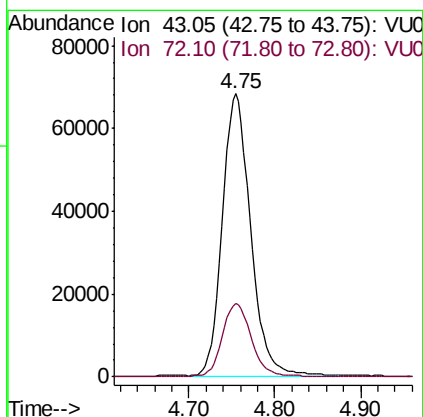
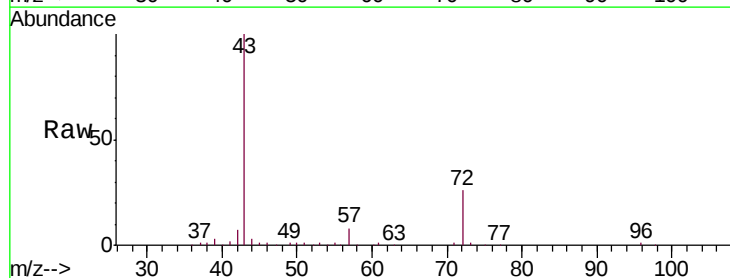
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

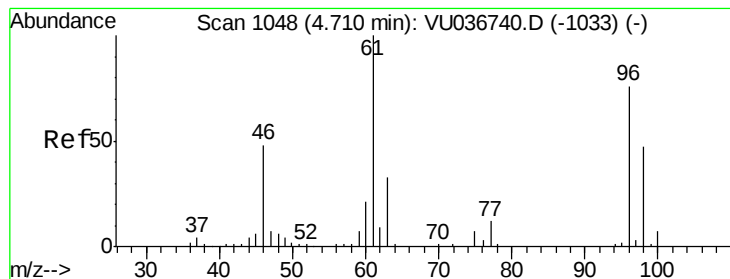
Tgt Ion: 63 Resp: 83947
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.6 40.2
 83 13.0 8.8 16.3



#21
 2-Butanone
 Concen: 43.977 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 43 Resp: 155765
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.737 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

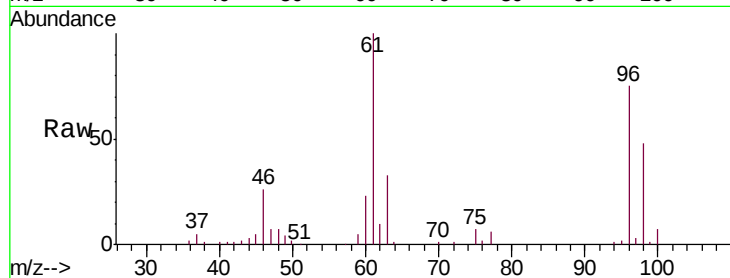
Tgt Ion: 96 Resp: 47510

Ion Ratio Lower Upper

96 100

61 133.1 91.2 169.4

68 0.0 0.0 0.0

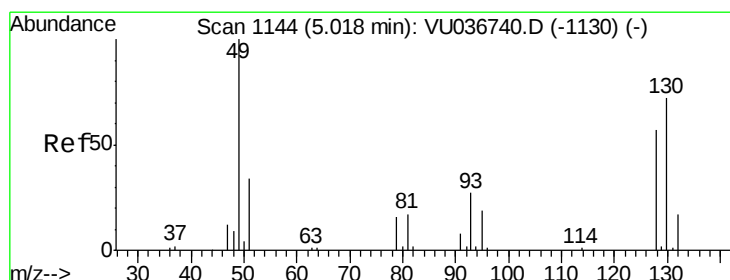
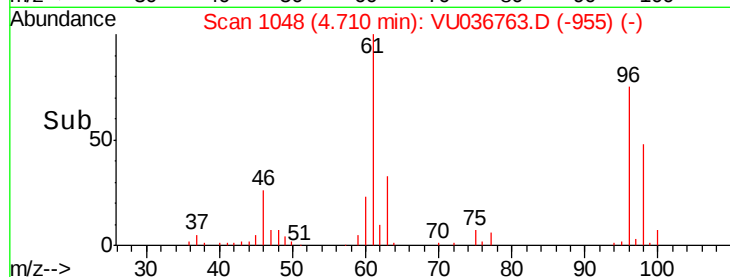
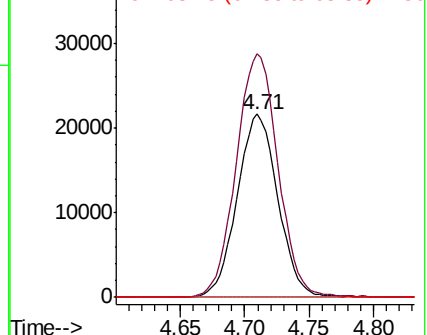


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.861 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Tgt Ion: 128 Resp: 19380

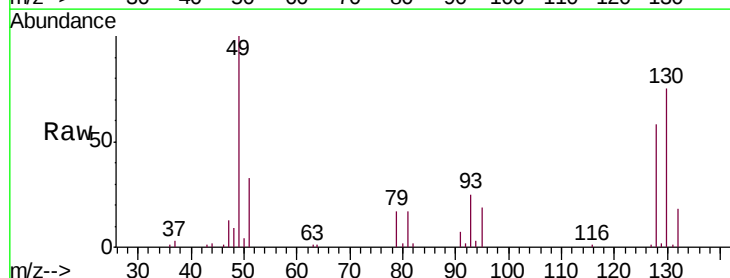
Ion Ratio Lower Upper

128 100

49 173.0 132.4 245.8

130 130.5 89.0 165.2

51 56.3 45.6 68.4



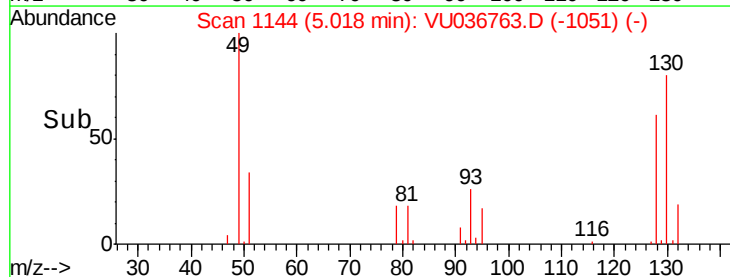
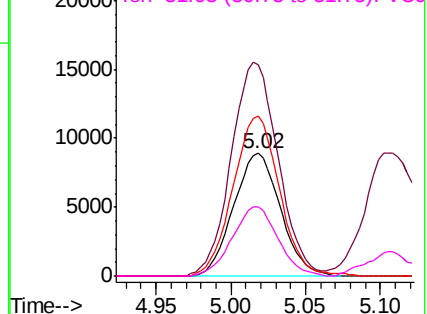
Abundance

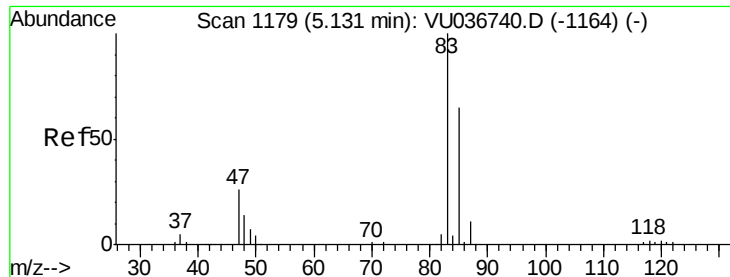
Ion 127.90 (127.60 to 128.60): V

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

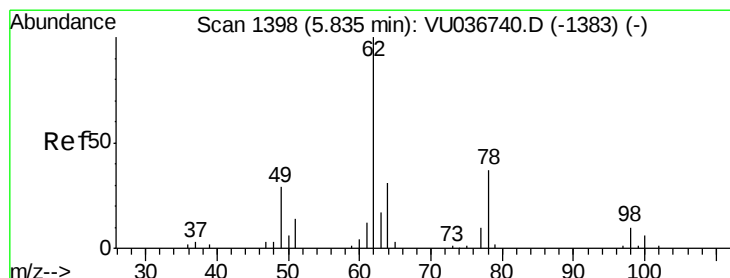
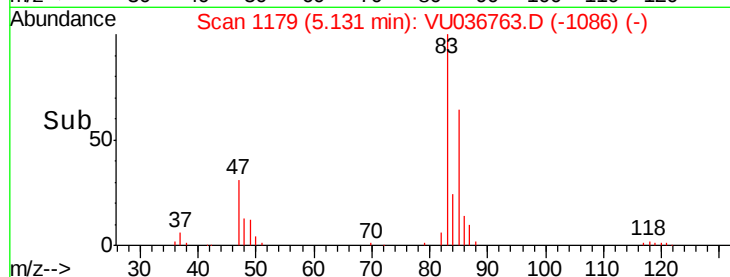
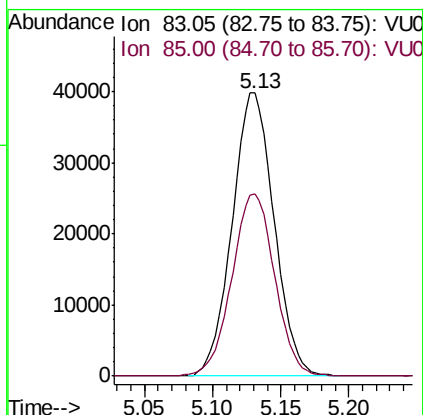
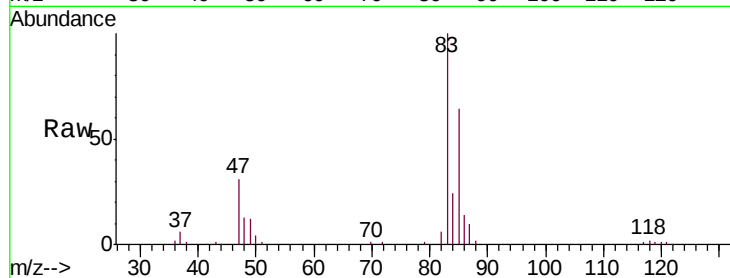




#25
Chloroform
Concen: 4.576 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

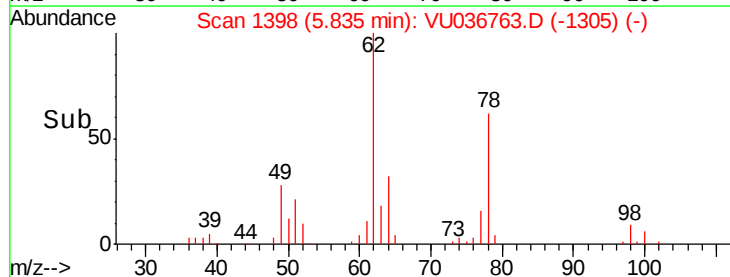
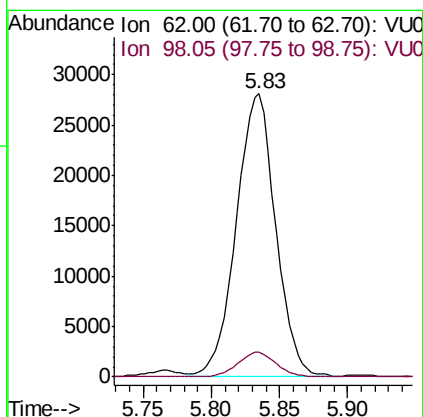
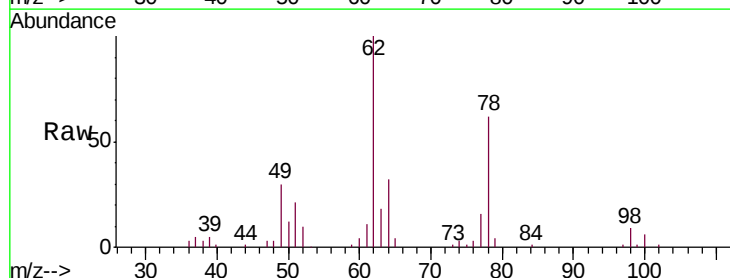
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

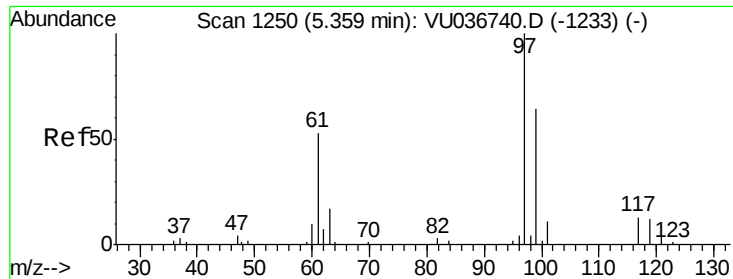
Tgt Ion: 83 Resp: 84937
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.774 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Tgt Ion: 62 Resp: 56478
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

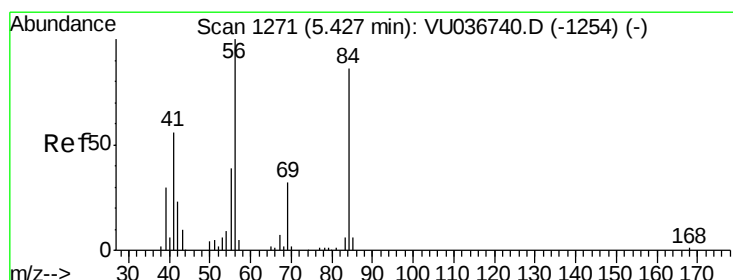
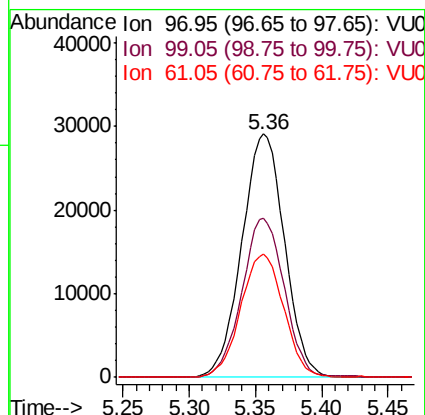
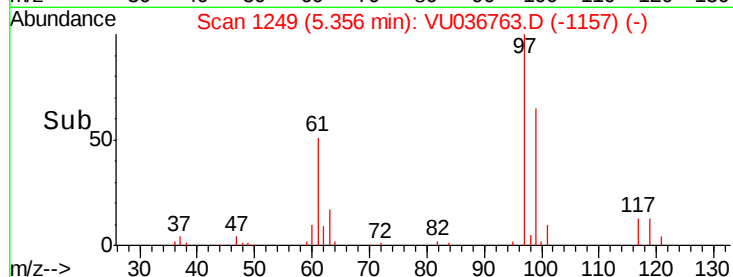
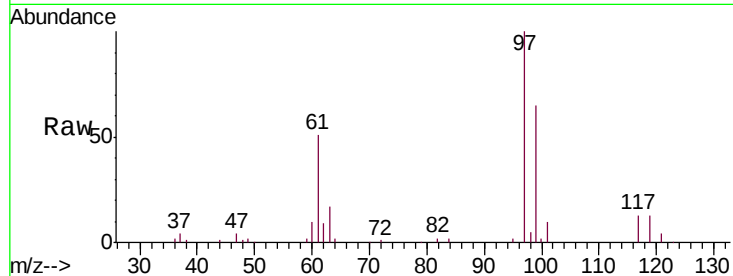




#29
 1,1,1-Trichloroethane
 Concen: 4.833 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

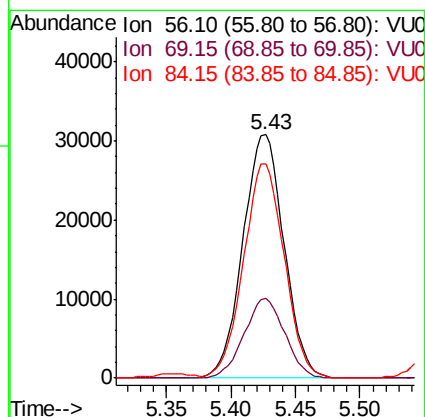
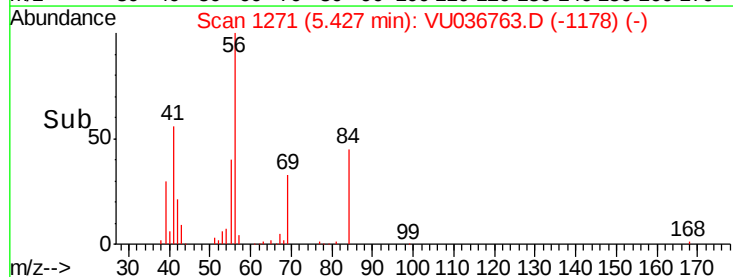
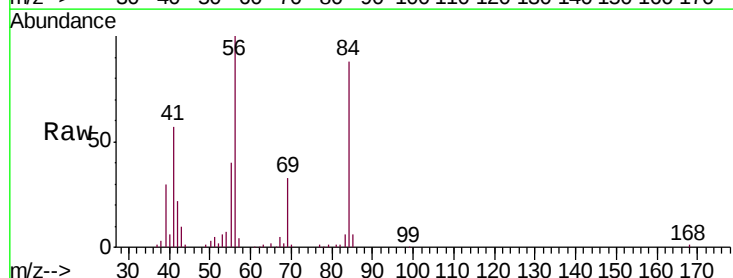
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

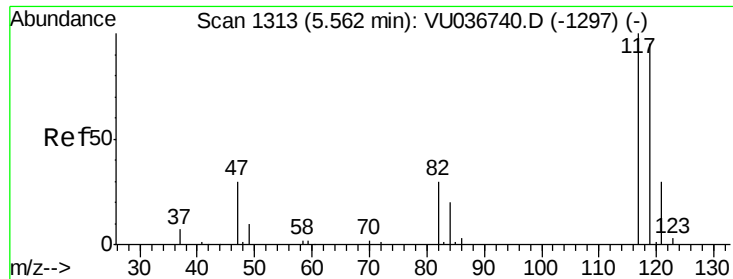
Tgt Ion: 97 Resp: 65188
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.4
 61 50.9 41.6 62.4



#30
 Cyclohexane
 Concen: 4.786 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 56 Resp: 68577
 Ion Ratio Lower Upper
 56 100
 69 32.3 24.6 37.0
 84 87.1 70.0 105.0





#31

Carbon tetrachloride

Concen: 4.801 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

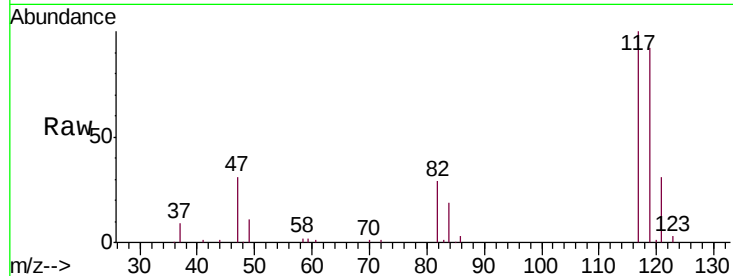
VSTD00515

Tgt Ion:117 Resp: 52250

Ion Ratio Lower Upper

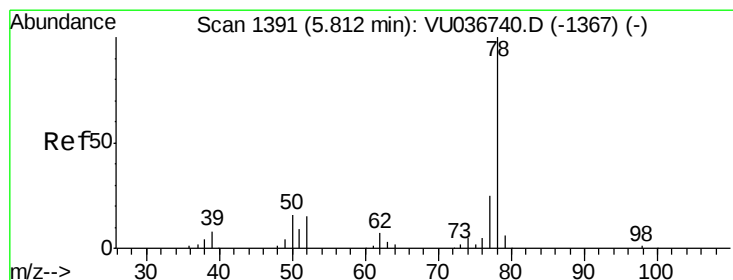
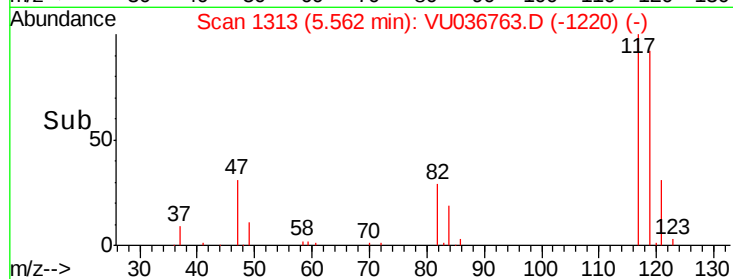
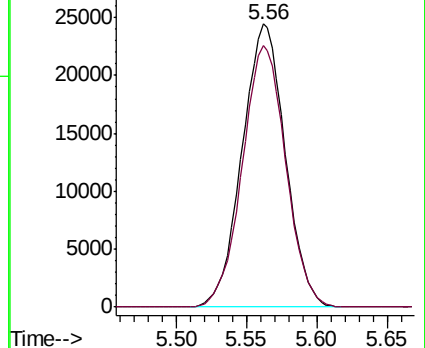
117 100

119 93.1 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.763 ug/L

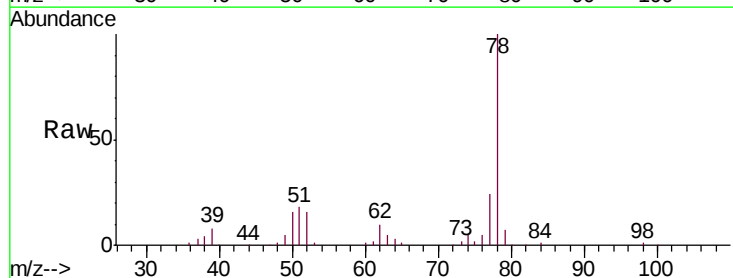
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

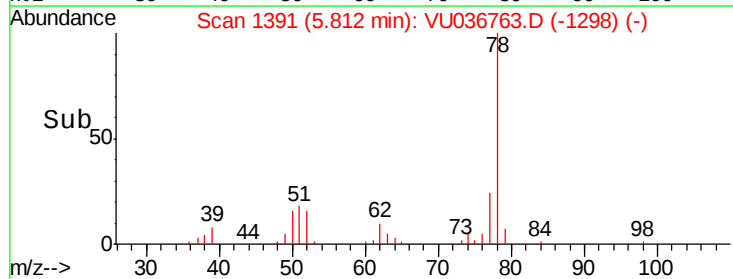
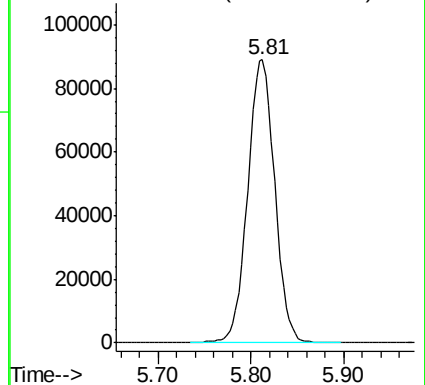
Lab File: VU036763.D

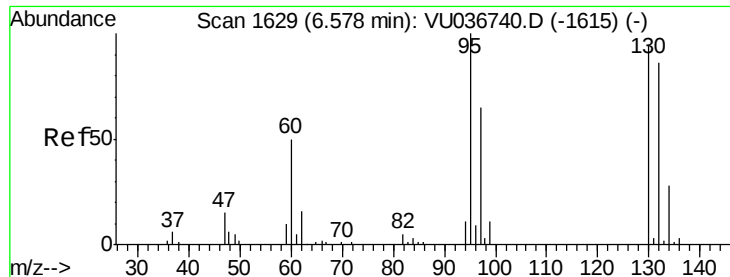
Acq: 12 Feb 2020 20:31

Tgt Ion: 78 Resp: 180453



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.777 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 46094

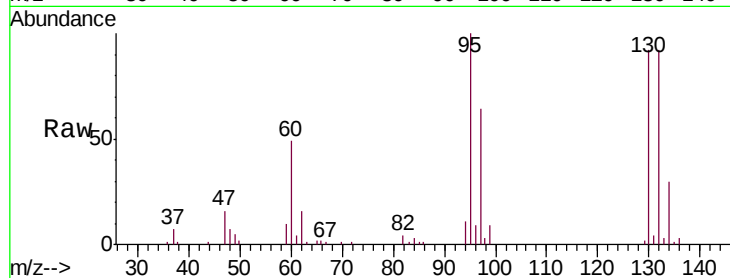
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.8

132 92.3 62.8 116.6

130 92.1 63.8 118.4



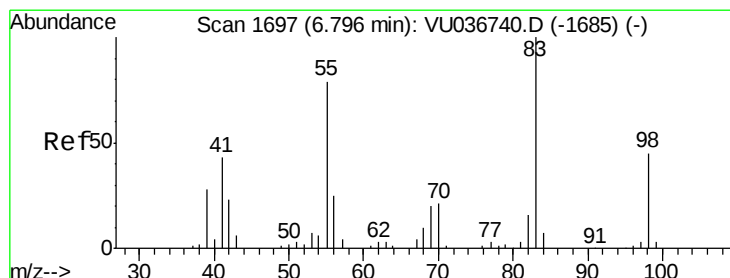
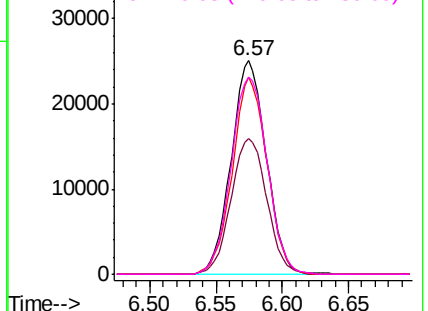
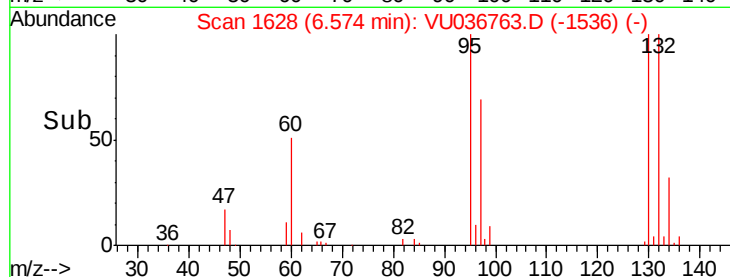
Abundance

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: 4.711 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

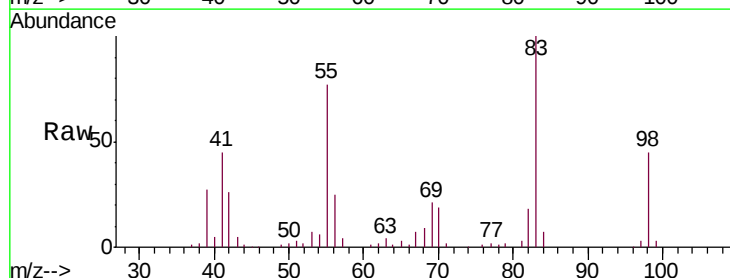
Tgt Ion: 83 Resp: 72133

Ion Ratio Lower Upper

83 100

55 77.3 61.0 91.4

98 45.7 34.2 51.4

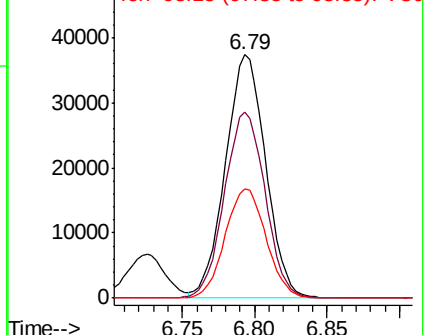
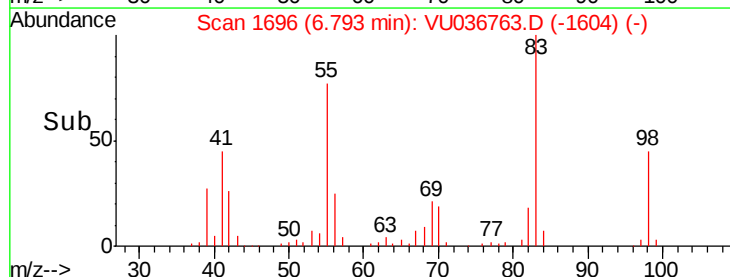


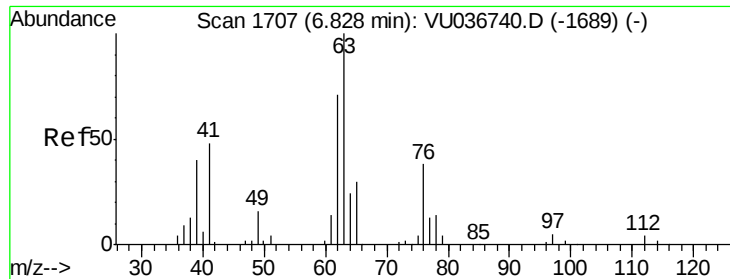
Abundance

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

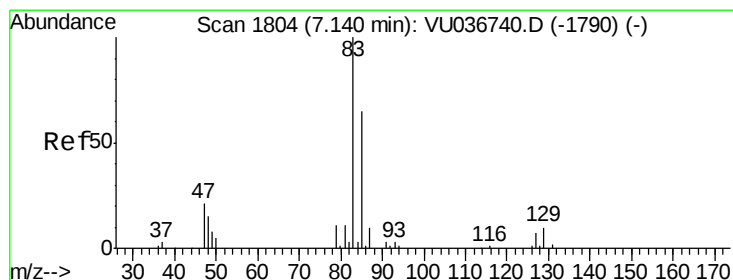
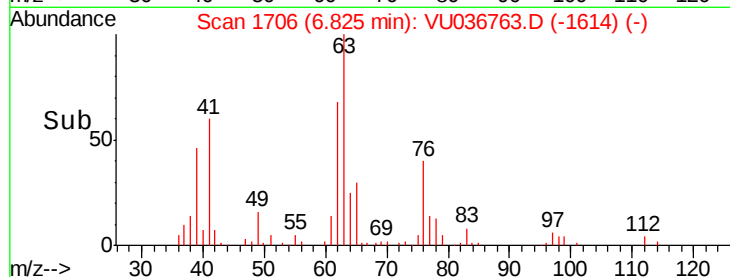
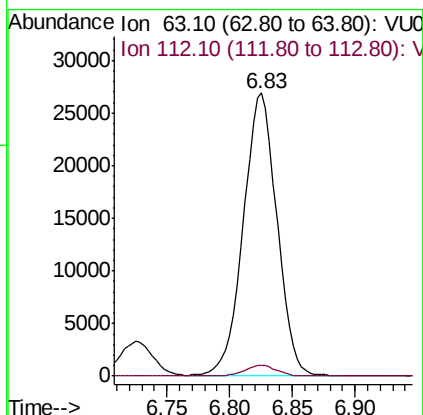
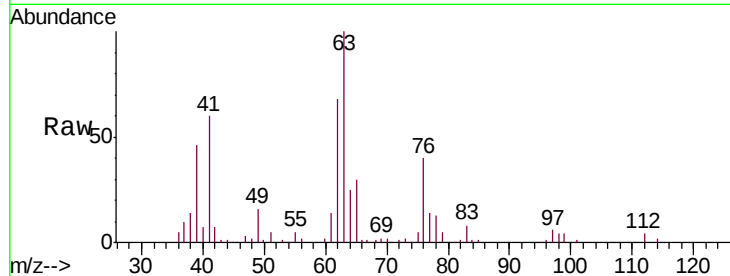




#37
 1,2-Dichloropropane
 Concen: 4.878 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

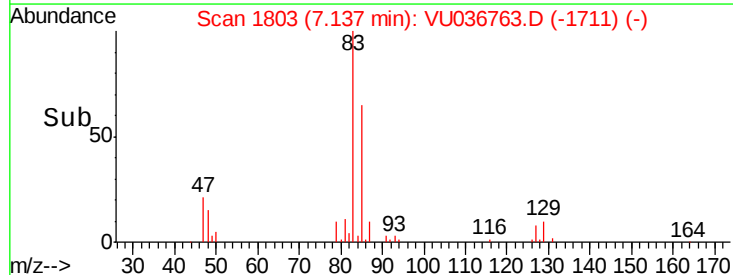
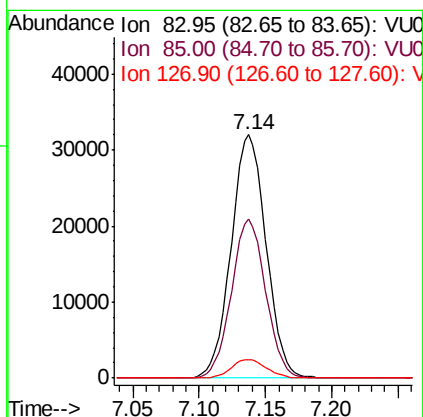
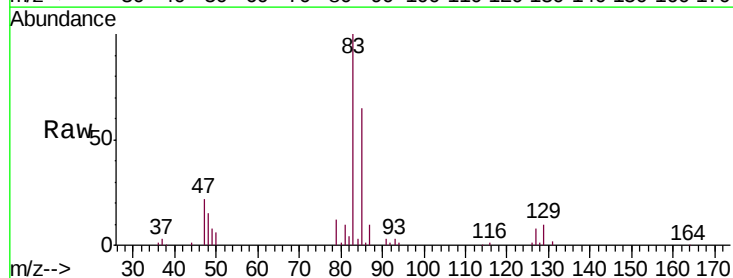
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

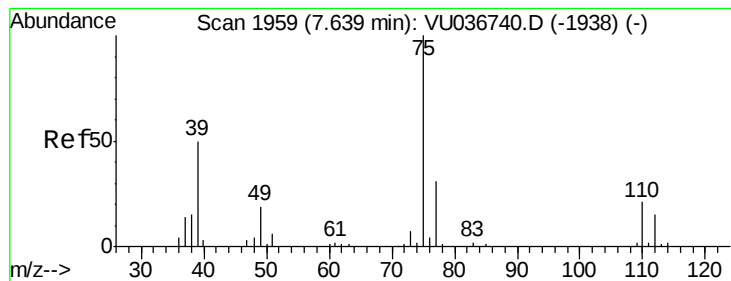
Tgt Ion: 63 Resp: 50464
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.747 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 83 Resp: 58604
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.0 80.0
 127 7.7 6.3 9.5



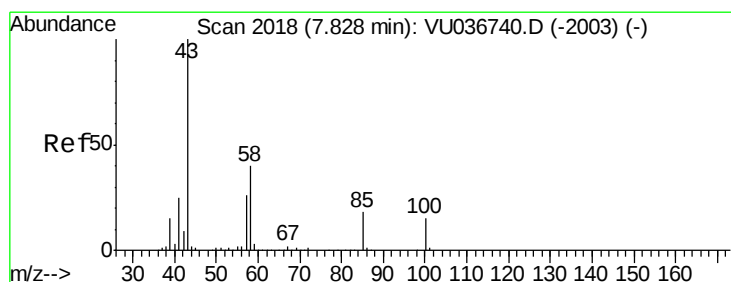
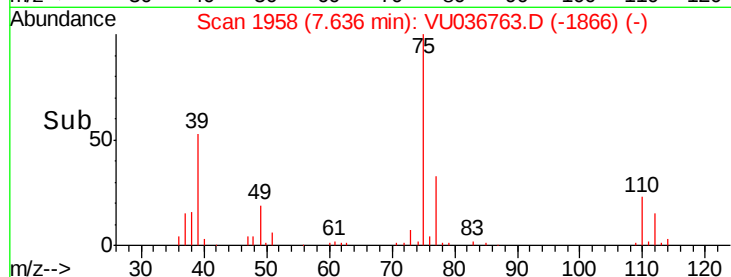
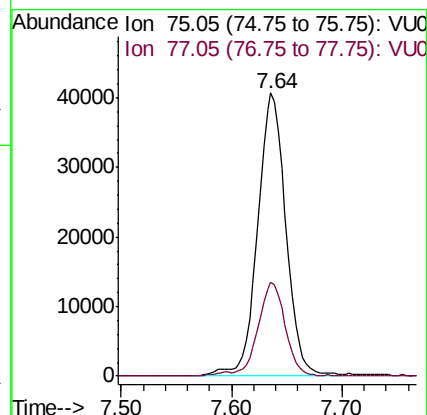
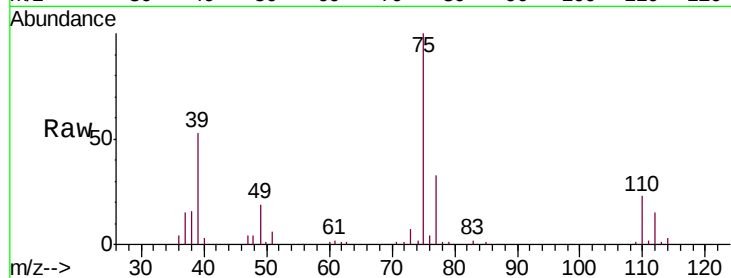


#39

cis-1,3-Dichloropropene
 Concen: 4.830 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

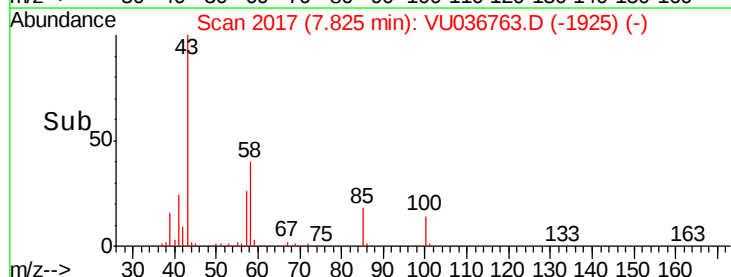
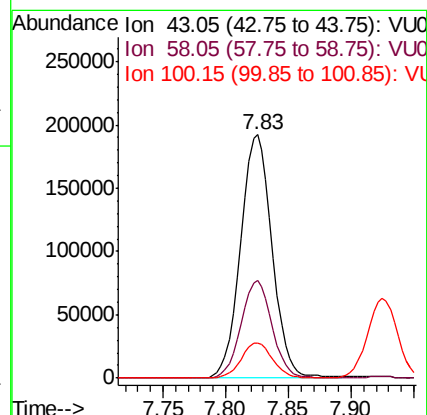
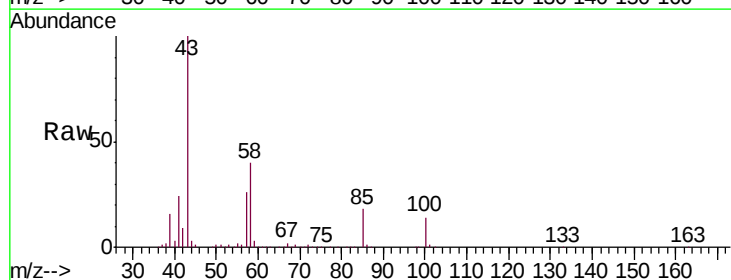
Tgt Ion: 75 Resp: 72290
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.5 41.9

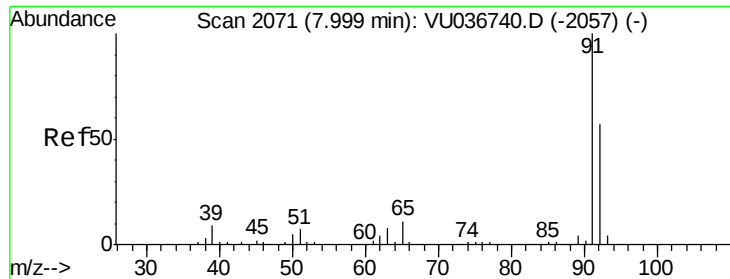


#40

4-Methyl-2-pentanone
 Concen: 50.348 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 43 Resp: 336076
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.0 48.0
 100 14.5 11.8 17.8





#42

Toluene

Concen: 4.847 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

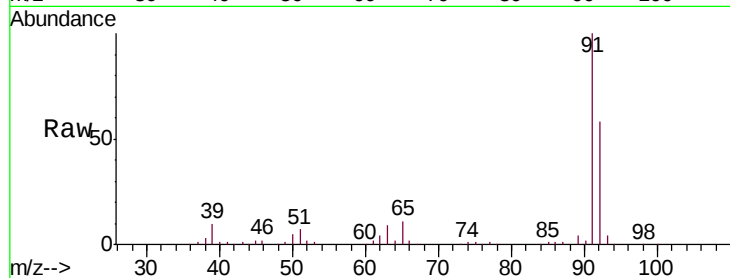
VSTD00515

Tgt Ion: 91 Resp: 197212

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036740.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036740.D (-2057) (-)

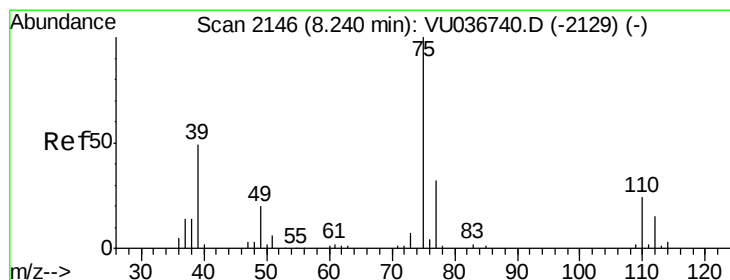
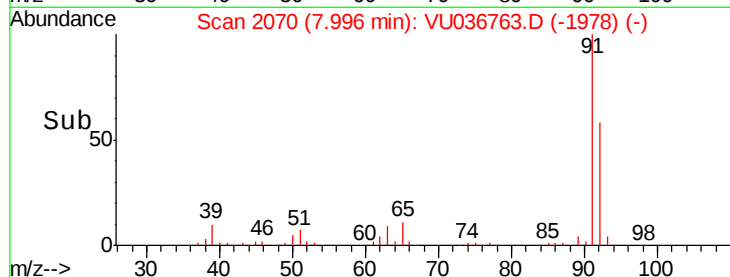
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.962 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036763.D

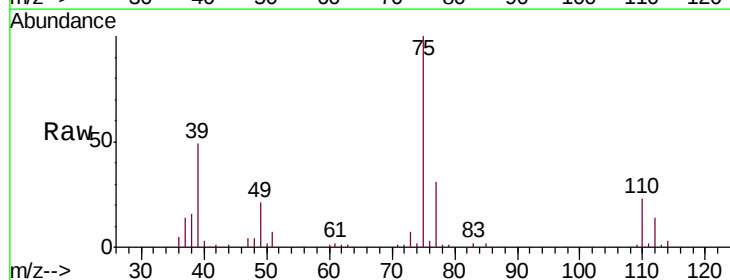
Acq: 12 Feb 2020 20:31

Tgt Ion: 75 Resp: 58046

Ion Ratio Lower Upper

75 100

77 31.0 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036740.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036740.D (-2129) (-)

8.24

40000

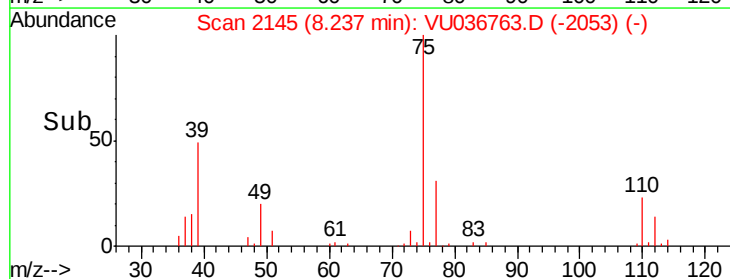
30000

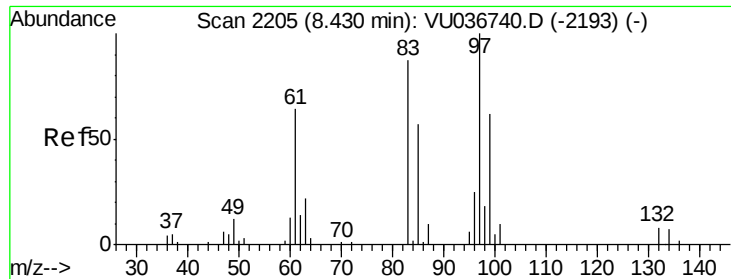
20000

10000

0

Time-->

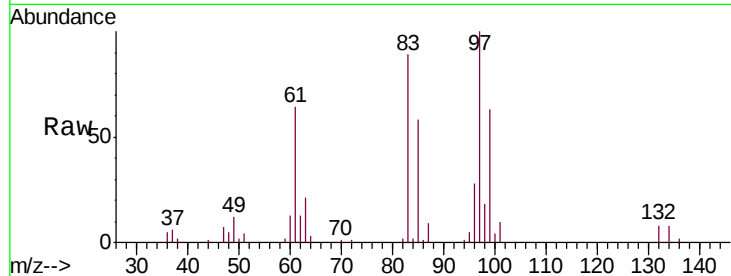




#45
 1,1,2-Trichloroethane
 Concen: 4.873 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	97	Resp:	35068
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.1	81.9
83	89.0	63.5	117.9
85	57.6	41.2	76.4



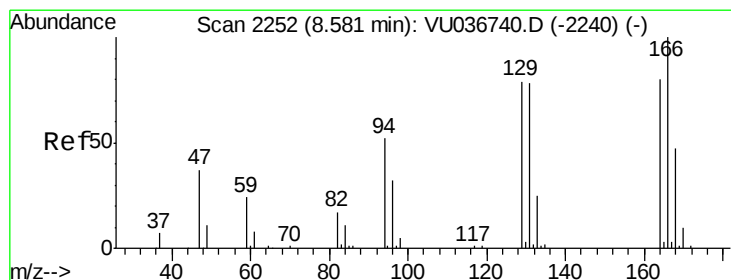
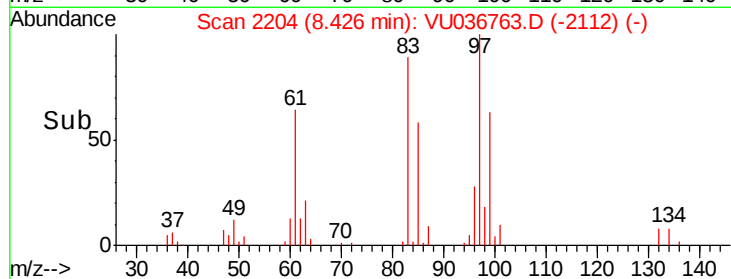
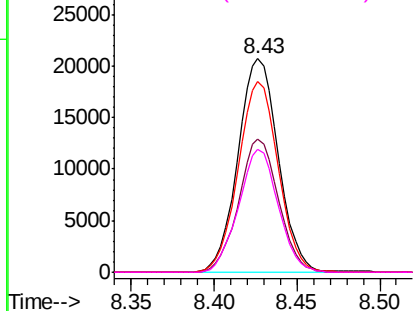
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

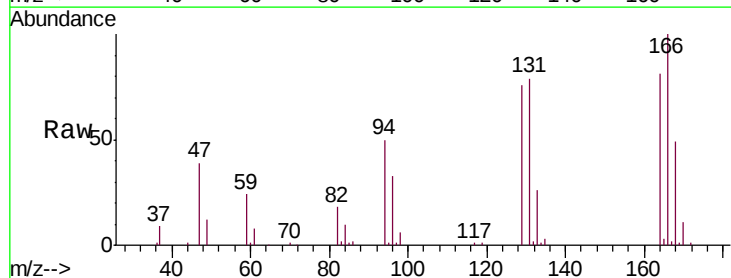
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.785 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion:	164	Resp:	31410
Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.0	126.4
131	97.8	69.4	128.8
166	123.9	86.6	160.8



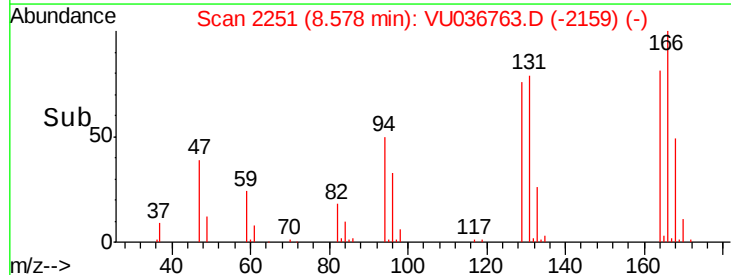
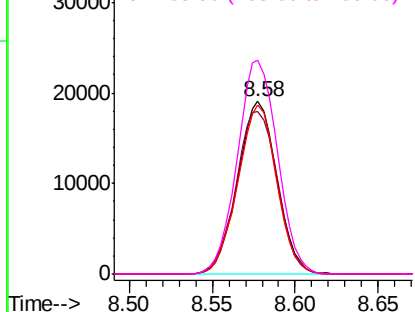
Abundance

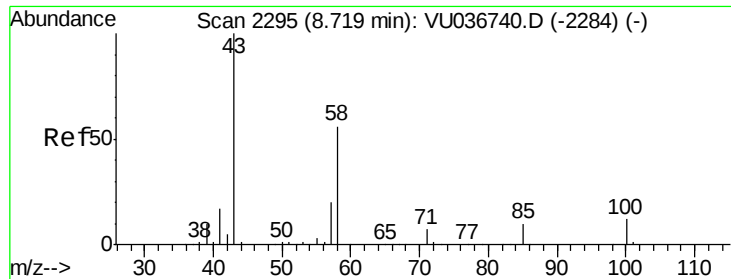
Ion 163.90 (163.60 to 164.60): V

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

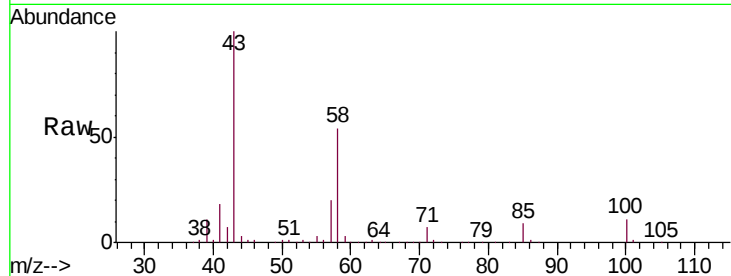




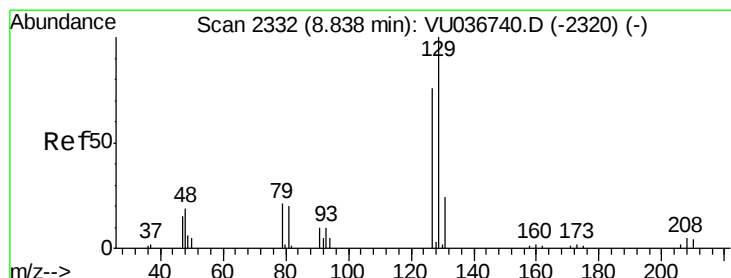
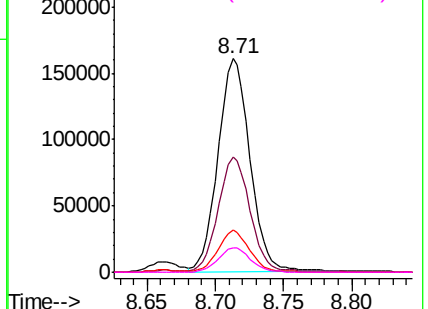
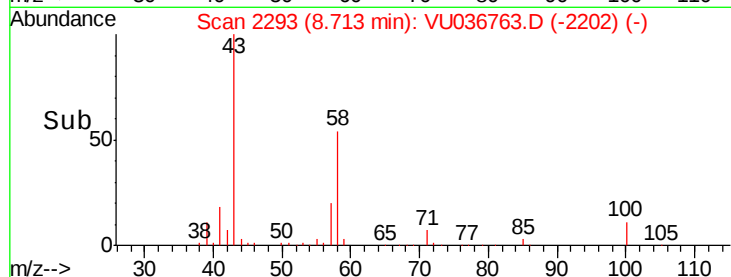
#48
2-Hexanone
Concen: 45.647 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:	43	Resp:	260751
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.6	65.4
57	19.2	15.0	22.4
100	11.5	9.0	13.6

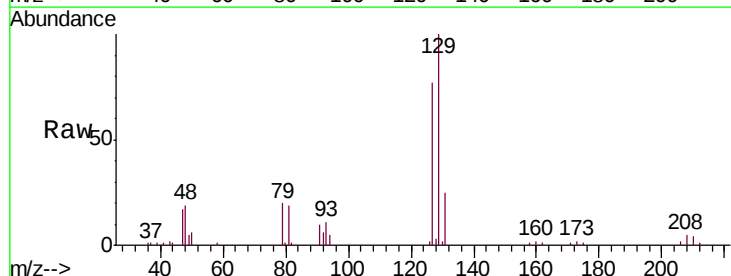


Abundance Ion 43.05 (42.75 to 43.75): VU036763.D (-2292) (-)
Ion 58.05 (57.75 to 58.75): VU036763.D (-2292) (-)
Ion 57.20 (56.90 to 57.90): VU036763.D (-2292) (-)
Ion 100.15 (99.85 to 100.85): VU036763.D (-2292) (-)

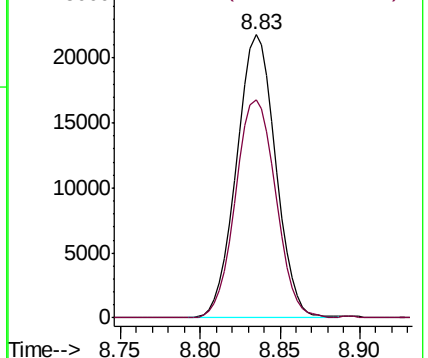
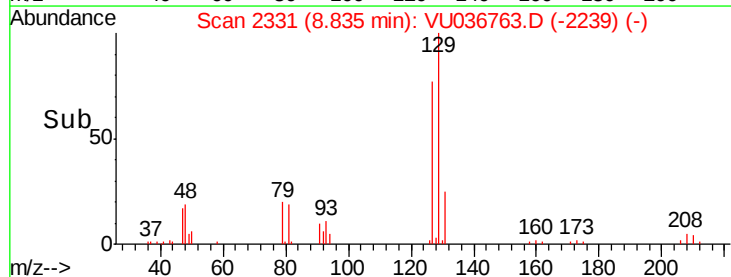


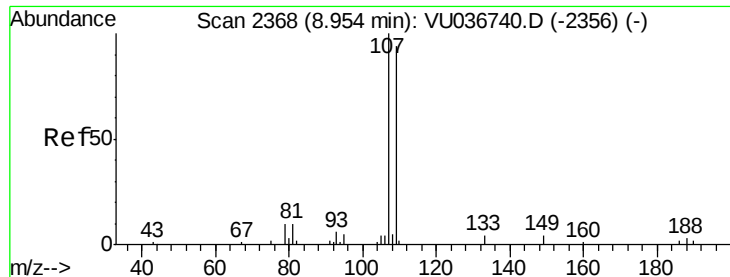
#49
Dibromochloromethane
Concen: 4.874 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Tgt Ion:	129	Resp:	36273
Ion	Ratio	Lower	Upper
129	100		
127	77.2	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036763.D (-2329) (-)
Ion 126.90 (126.60 to 127.60): VU036763.D (-2329) (-)

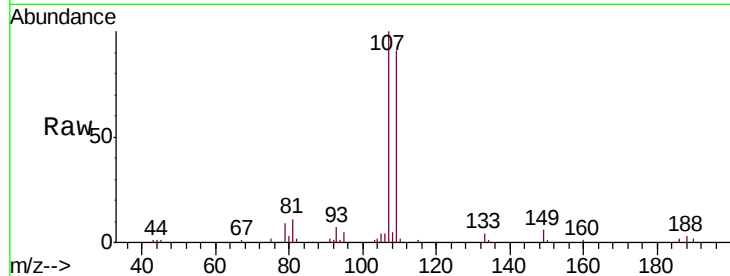




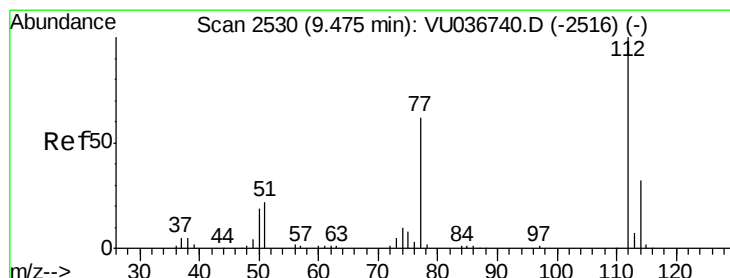
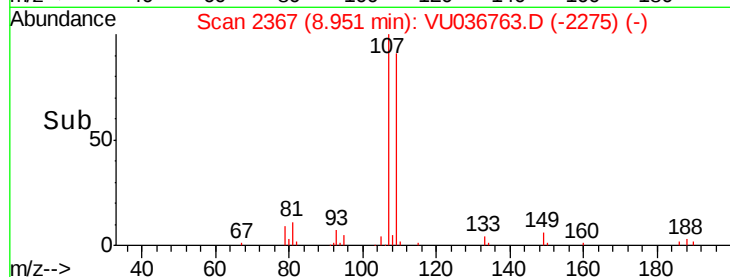
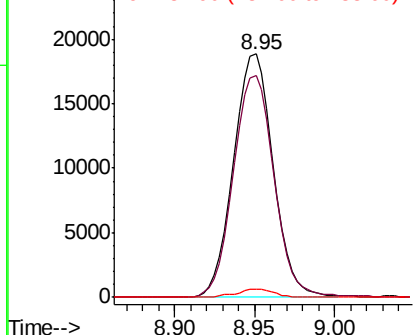
#50
 1,2-Dibromoethane
 Concen: 4.901 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:107 Resp: 31853
 Ion Ratio Lower Upper
 107 100
 109 91.1 66.4 123.2
 188 3.5 2.4 3.6

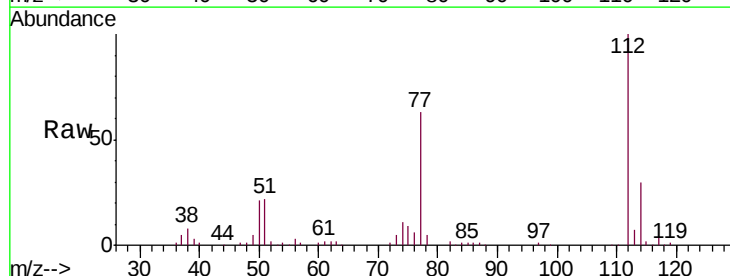


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

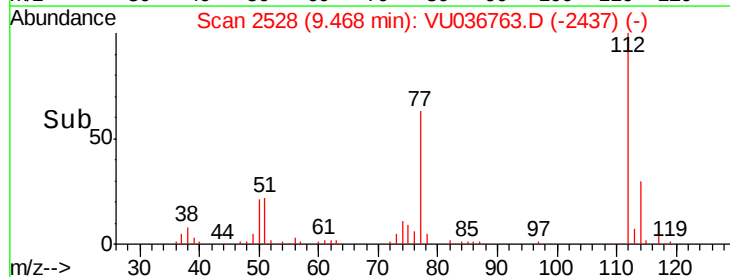
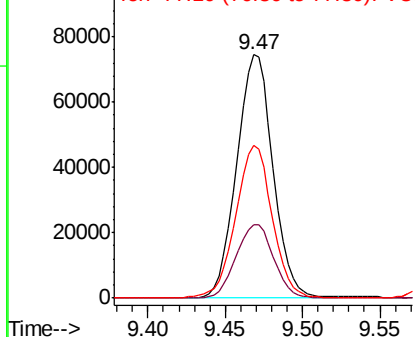


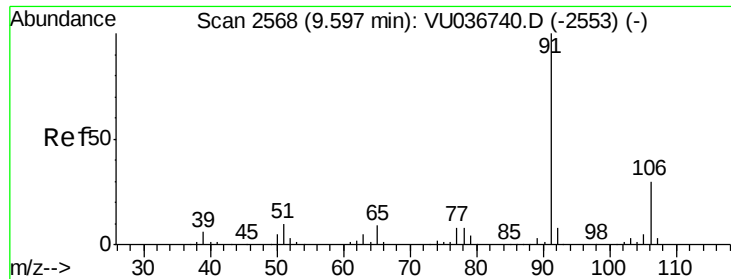
#51
 Chlorobenzene
 Concen: 4.829 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion:112 Resp: 121560
 Ion Ratio Lower Upper
 112 100
 114 30.1 22.9 42.5
 77 62.9 51.0 76.4



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

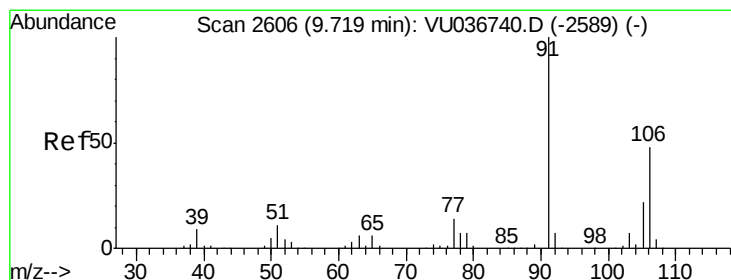
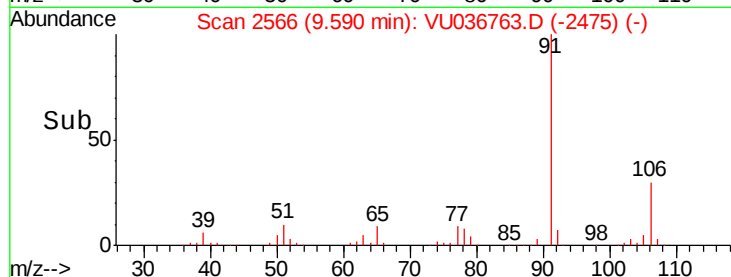
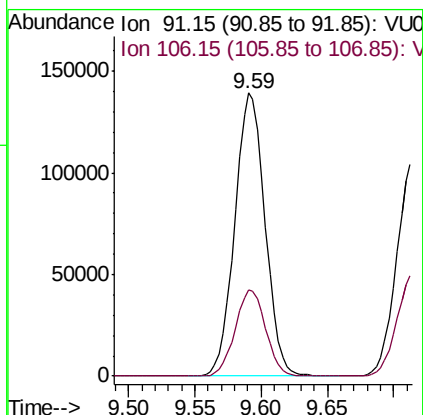
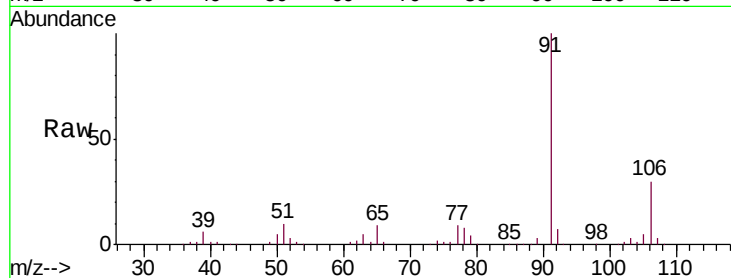




#52
Ethylbenzene
Concen: 4.852 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.01 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

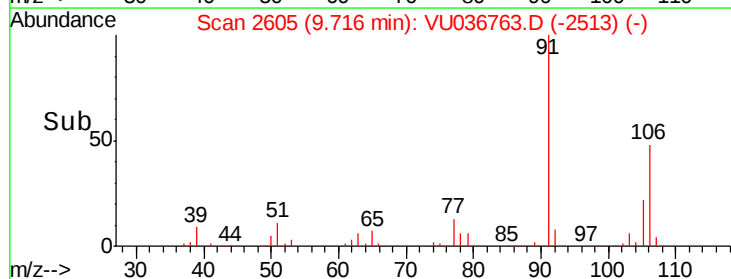
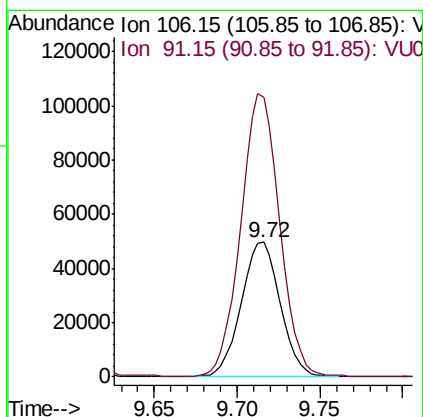
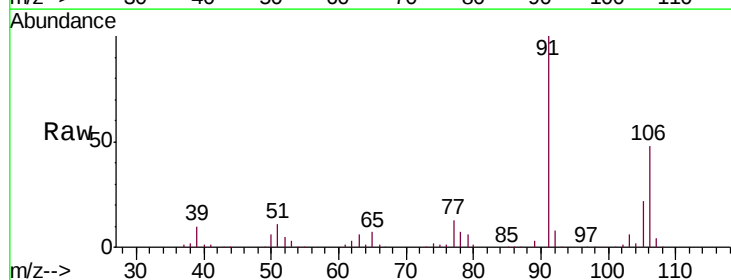
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

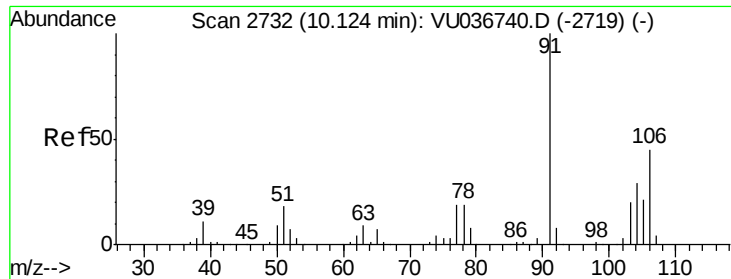
Tgt Ion: 91 Resp: 220478
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 4.882 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Tgt Ion: 106 Resp: 81640
Ion Ratio Lower Upper
106 100
91 207.5 141.1 262.0

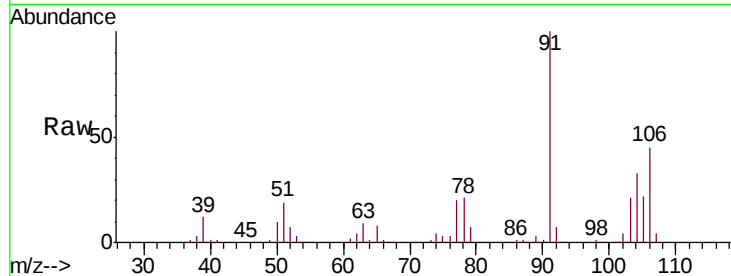




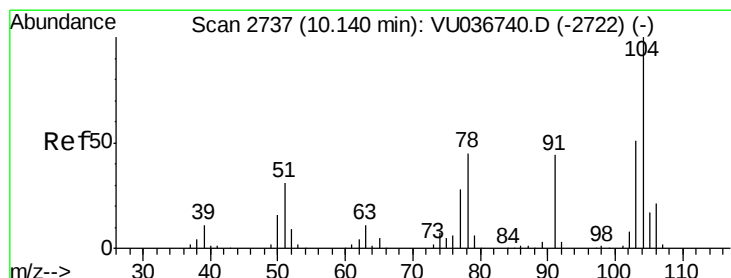
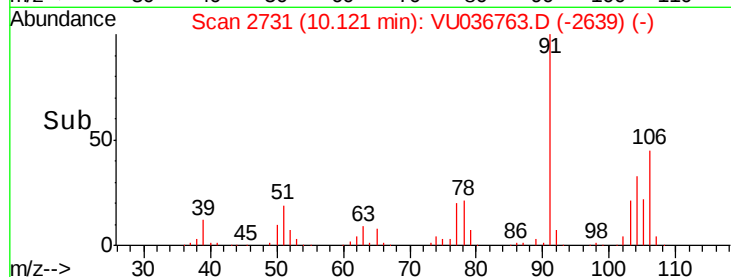
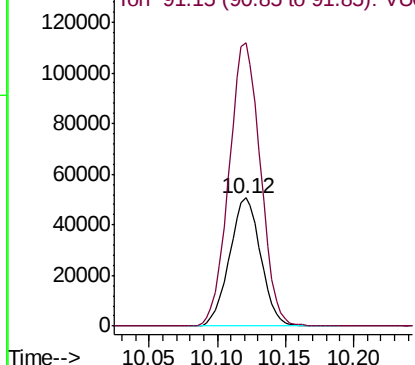
#54
o-Xylene
Concen: 4.907 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:106 Resp: 80590
Ion Ratio Lower Upper
106 100
91 220.5 151.1 280.5

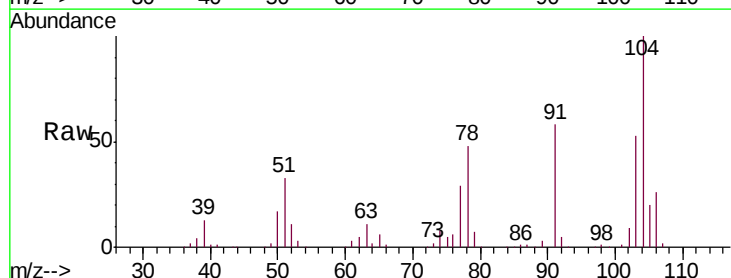


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

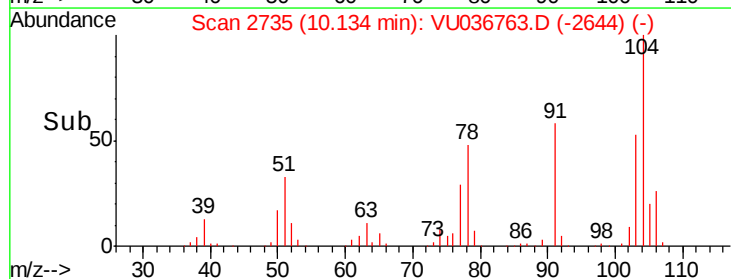
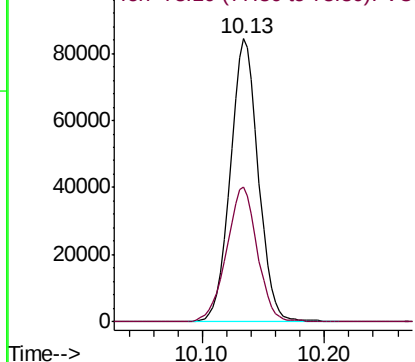


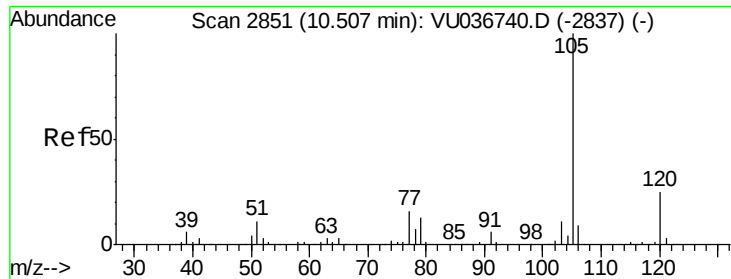
#55
Styrene
Concen: 4.867 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.01 min
Lab File: VU036763.D
Acq: 12 Feb 2020 20:31

Tgt Ion:104 Resp: 134747
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.916 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

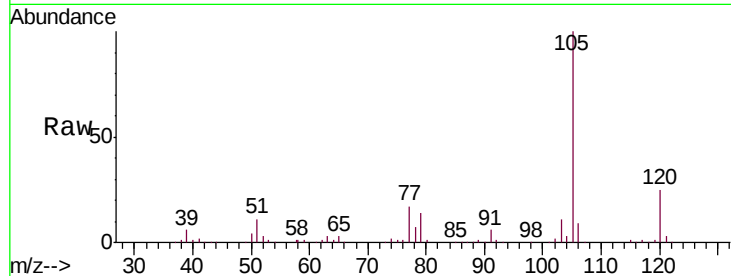
Tgt Ion: 105 Resp: 216065

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

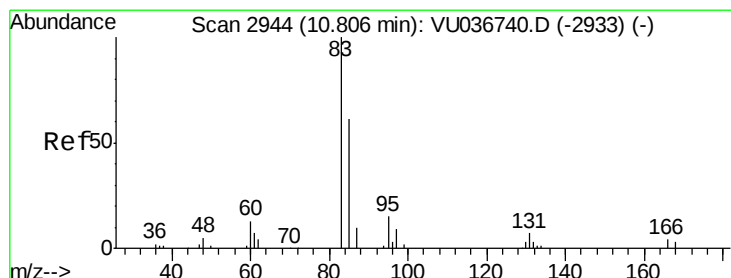
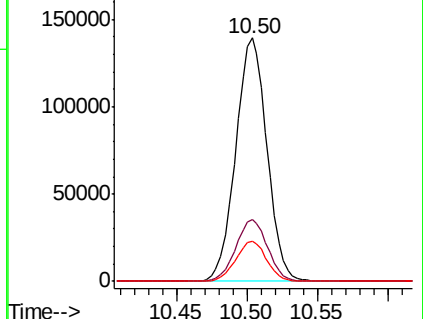
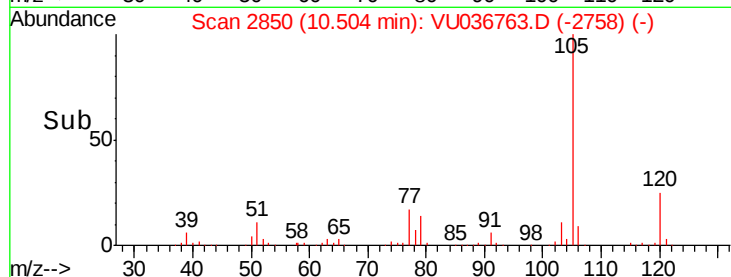
77 16.4 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.840 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

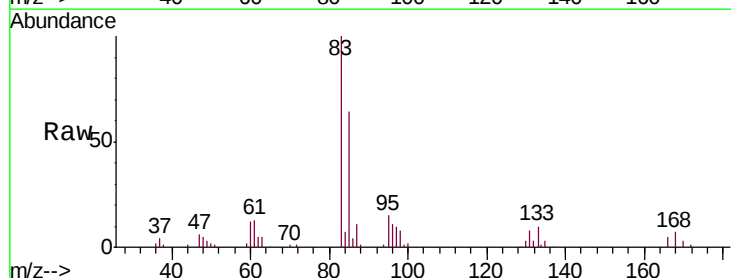
Tgt Ion: 83 Resp: 45590

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.6

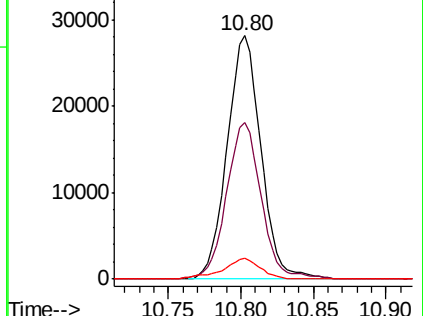
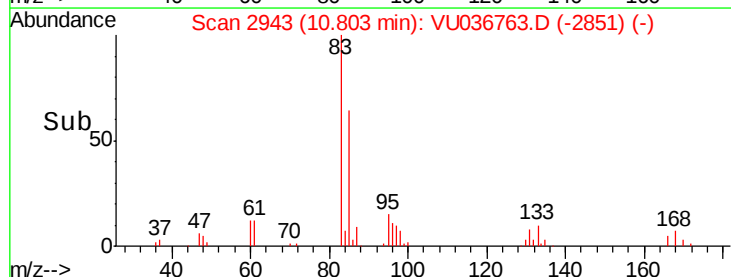
131 8.5 6.8 10.2

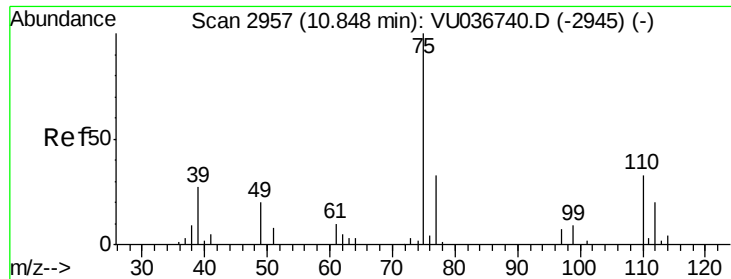


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

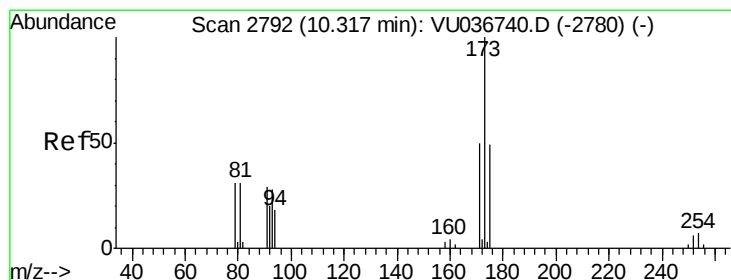
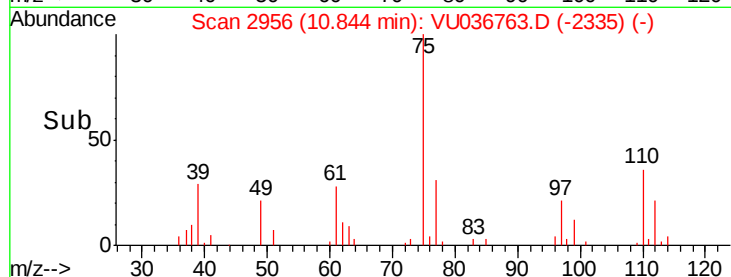
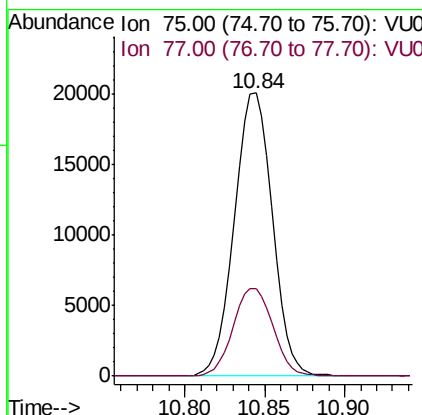
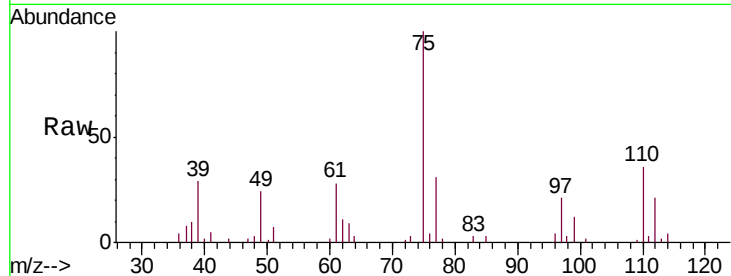




#59
 1,2,3-Trichloropropane
 Concen: 4.766 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

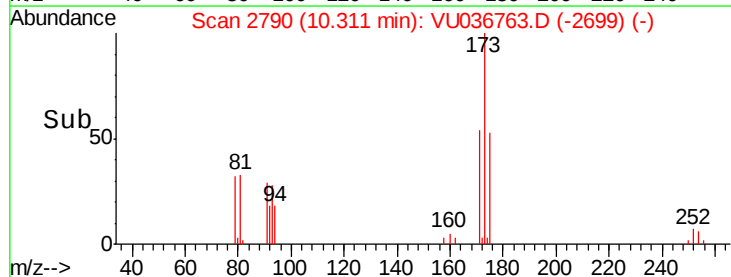
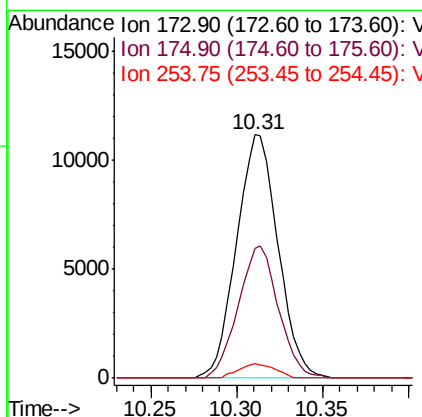
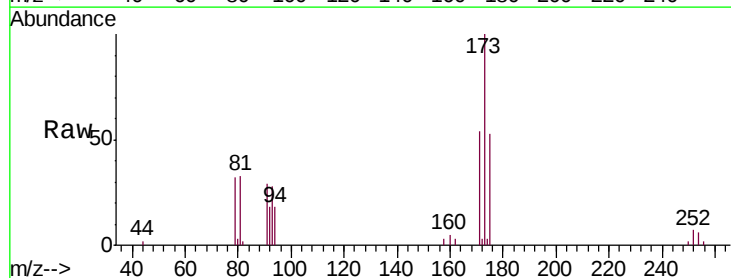
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

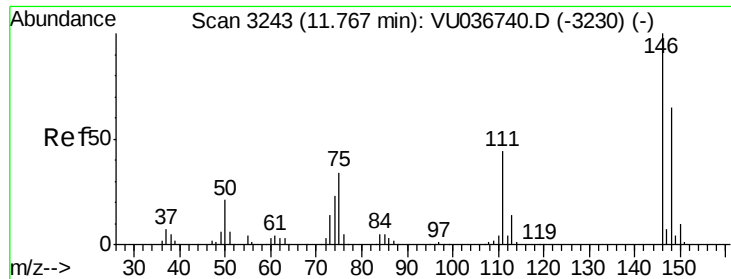
Tgt Ion: 75 Resp: 32549
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.6 38.4



#61
 Bromoform
 Concen: 4.709 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 173 Resp: 18728
 Ion Ratio Lower Upper
 173 100
 175 52.2 39.9 59.9
 254 5.1 4.6 6.8

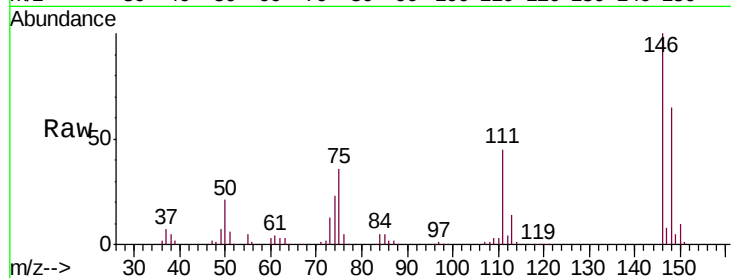




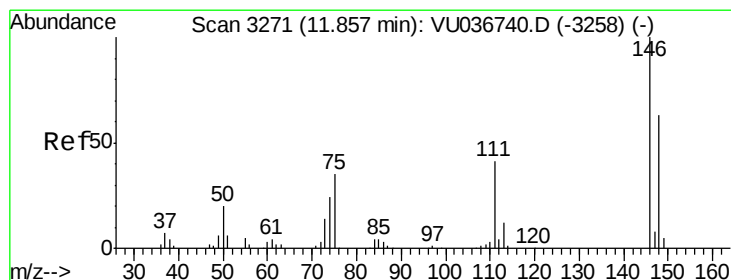
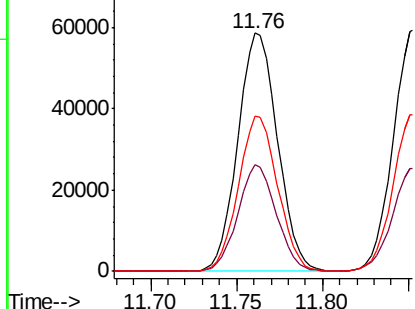
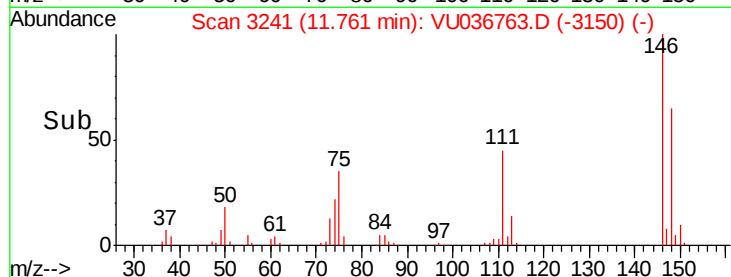
#62
 1,3-Dichlorobenzene
 Concen: 4.716 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.01 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:146 Resp: 93800
 Ion Ratio Lower Upper
 146 100
 111 44.7 30.0 55.8
 148 65.3 44.5 82.7

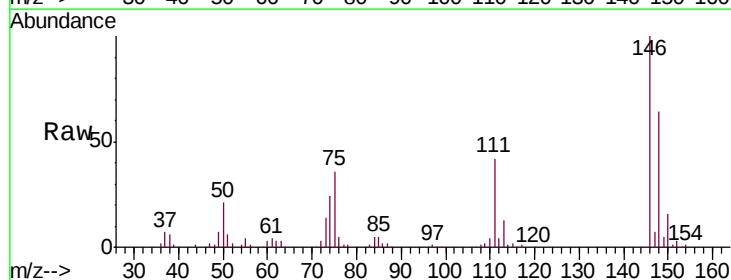


Abundance Ion 145.95 (145.65 to 146.65): V
 80000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

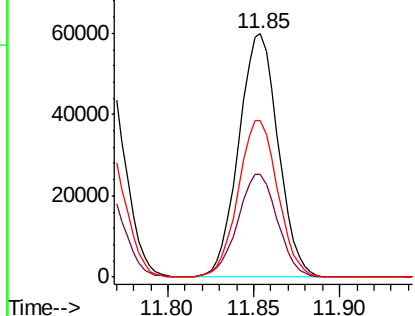
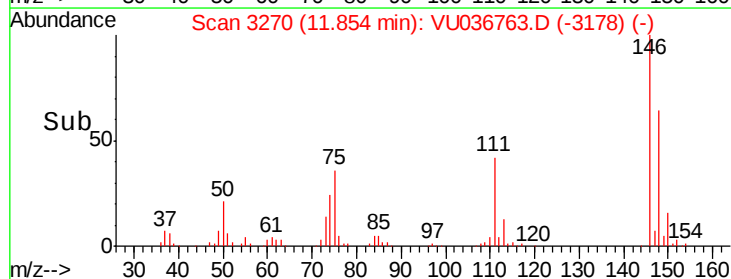


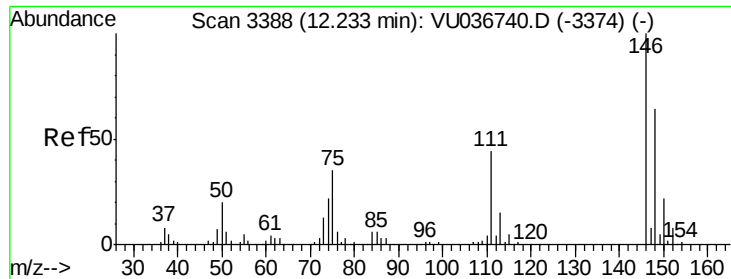
#63
 1,4-Dichlorobenzene
 Concen: 4.820 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion:146 Resp: 95037
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.2 54.2
 148 64.3 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V
 80000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

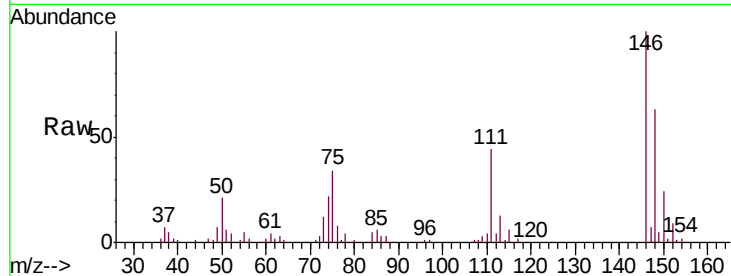




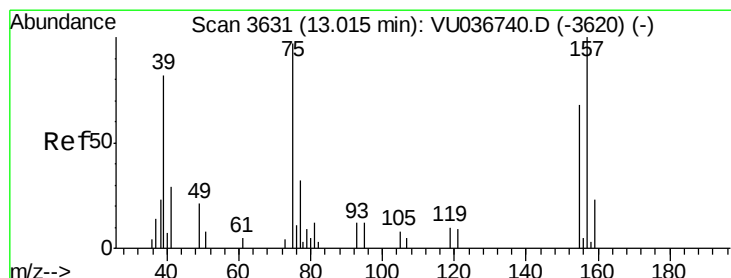
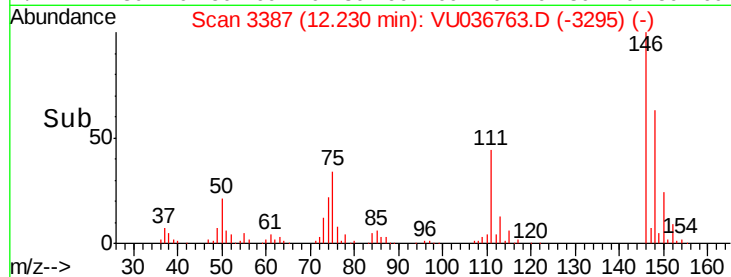
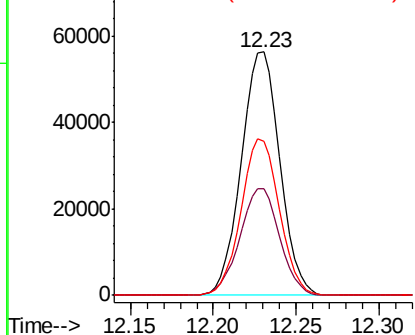
#65
 1,2-Dichlorobenzene
 Concen: 4.763 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 146 Resp: 91319
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.9 53.9
 148 63.3 50.4 75.6

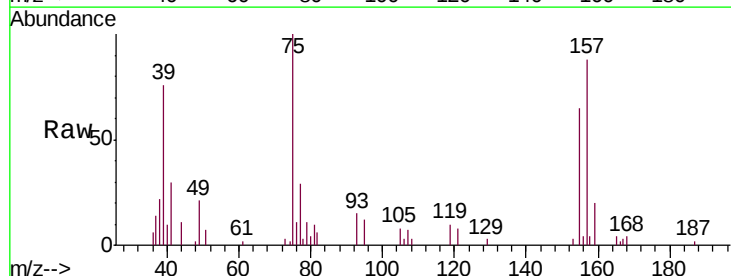


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

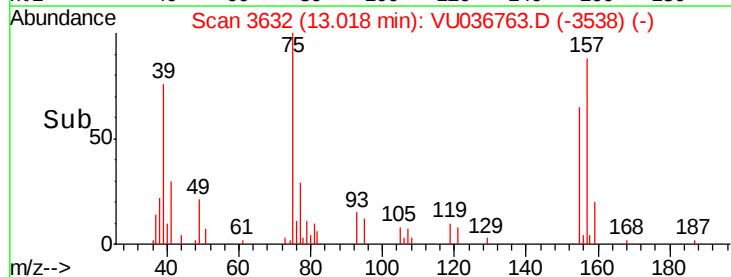
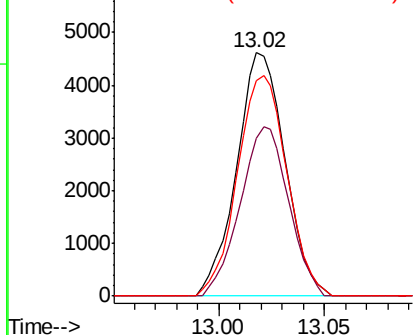


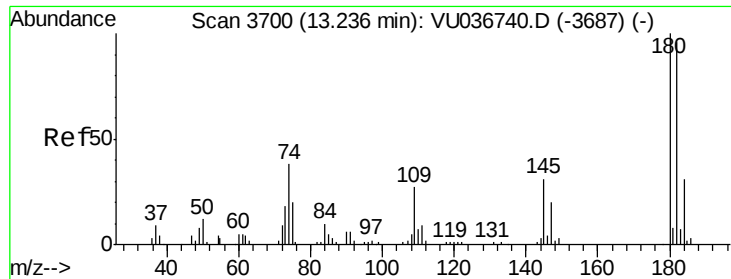
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.153 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion: 75 Resp: 7373
 Ion Ratio Lower Upper
 75 100
 155 64.8 52.9 79.3
 157 88.4 69.2 103.8



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

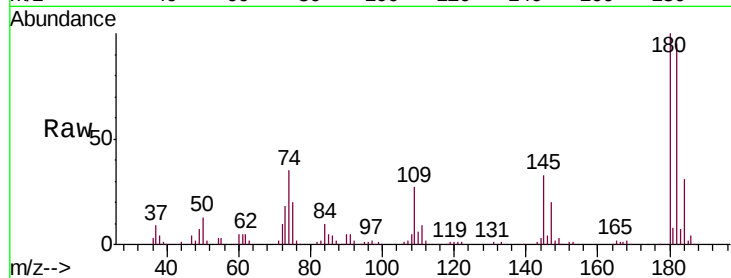




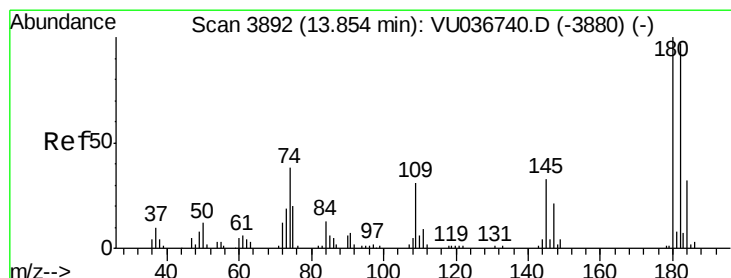
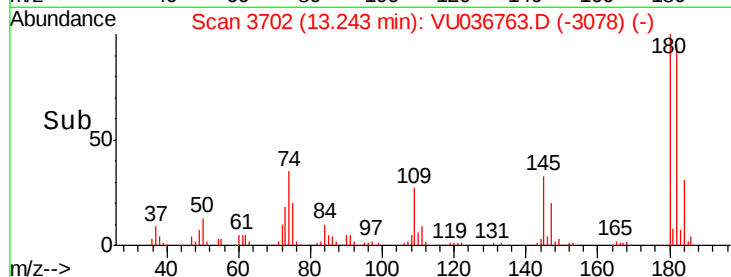
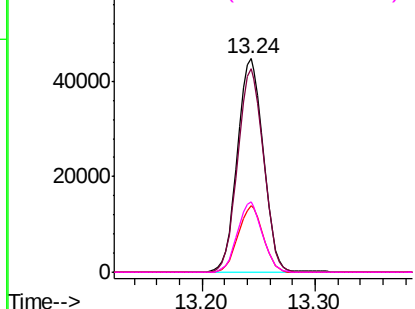
#67
 1,3,5-Trichlorobenzene
 Concen: 5.126 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:180 Resp: 71778
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.4 114.6
 184 29.8 24.6 37.0
 145 31.6 25.3 37.9

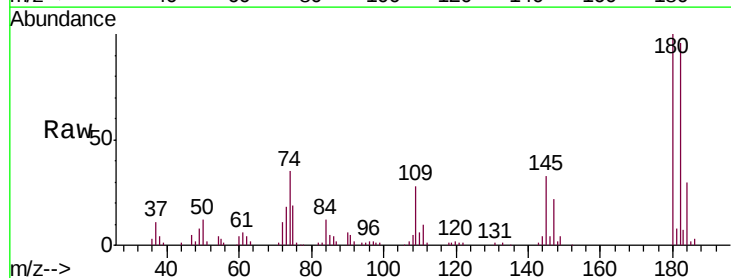


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

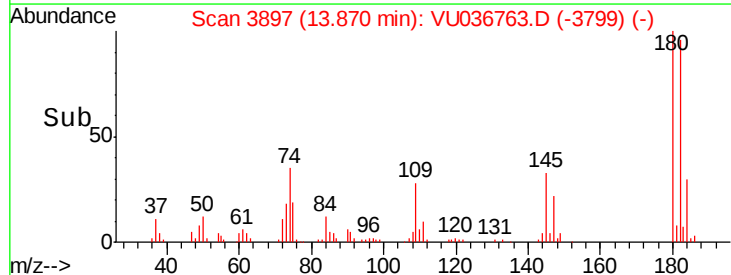
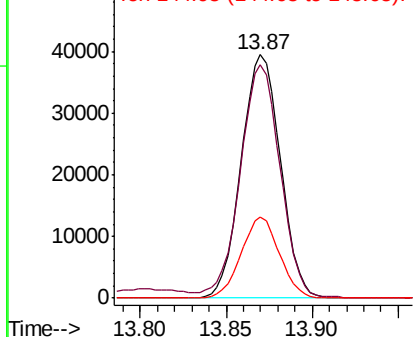


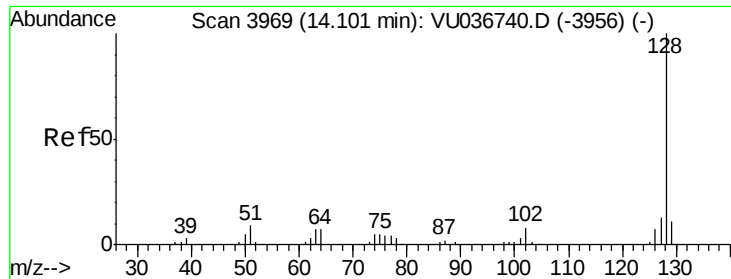
#68
 1,2,4-trichlorobenzene
 Concen: 5.939 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.02 min
 Lab File: VU036763.D
 Acq: 12 Feb 2020 20:31

Tgt Ion:180 Resp: 62712
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.0 115.6
 145 32.3 26.5 39.7



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





#69

Naphthalene

Concen: 17.786 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.02 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

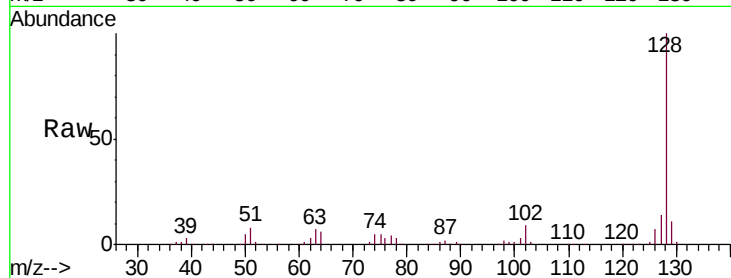
Tgt Ion:128 Resp: 340237

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

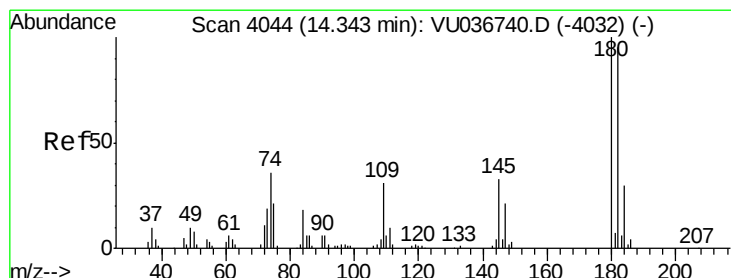
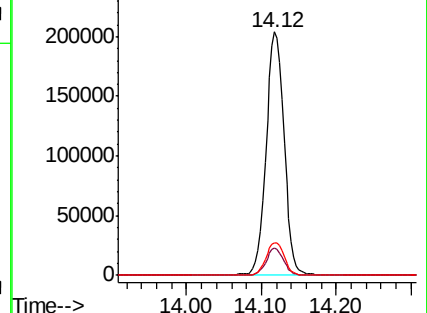
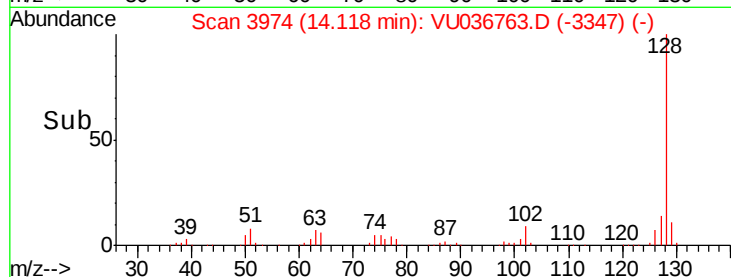
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.946 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.02 min

Lab File: VU036763.D

Acq: 12 Feb 2020 20:31

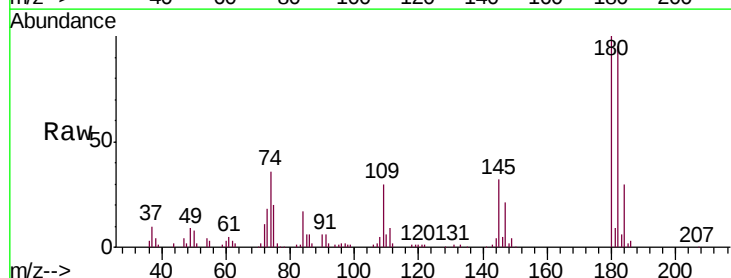
Tgt Ion:180 Resp: 56345

Ion Ratio Lower Upper

180 100

182 99.2 78.2 117.4

145 33.6 27.0 40.6



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

