

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041527.D
 Acq On : 09 Dec 2020 20:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:49:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49662	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49004	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29129	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	7934	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.92	69	8772	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.58	63	24555	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.65	46	39632	41.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.86%
24) Chloroform-d	5.08	84	33237	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	21097	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.74	84	48132	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	12640	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.20%
41) Toluene-d8	7.90	98	47861	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.18	79	8397	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	31275	39.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	14625	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	23618	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	19218	4.371	ug/L 97
3) Chloromethane	1.53	50	10461	3.681	ug/L 99
5) Vinyl chloride	1.61	62	13836	4.083	ug/L 98
6) Bromomethane	1.87	94	11713	5.000	ug/L 96
8) Chloroethane	1.94	64	9904	4.493	ug/L 94
9) Trichlorofluoromethane	2.15	101	37678	4.991	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	16325	4.825	ug/L 92
12) 1,1-Dichloroethene	2.59	96	14383	4.947	ug/L 86
13) Acetone	2.66	43	28209	37.881	ug/L 99
14) Carbon disulfide	2.81	76	38832	4.333	ug/L 97
15) Methyl Acetate	2.97	43	5187	3.806	ug/L 98
16) Methylene chloride	3.06	84	16310	4.203	ug/L 88
17) Methyl tert-butyl Ether	3.38	73	40201	4.557	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	14556	4.957	ug/L 95
19) 1,1-Dichloroethane	3.89	63	25245	4.654	ug/L 97
21) 2-Butanone	4.73	43	36934	39.638	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	15390	4.726	ug/L 97

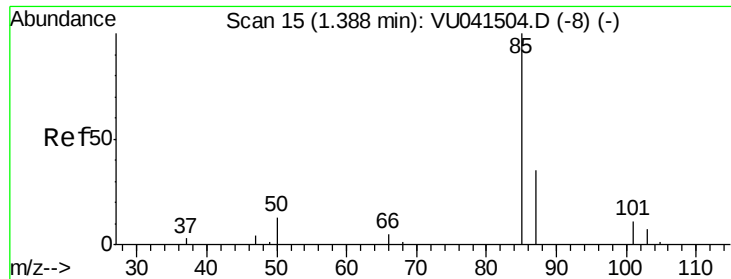
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	8750	5.142	ug/L	92
25) Chloroform	5.11	83	33605	4.862	ug/L	99
27) 1,2-Dichloroethane	5.81	62	25696	4.757	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	34010	4.843	ug/L	97
30) Cyclohexane	5.40	56	17987	4.073	ug/L	90
31) Carbon tetrachloride	5.54	117	32472	4.993	ug/L	100
33) Benzene	5.79	78	55059	4.539	ug/L	100
34) Trichloroethene	6.55	95	17507	4.782	ug/L	96
35) Methylcyclohexane	6.77	83	23000	4.606	ug/L	95
37) 1,2-Dichloropropane	6.80	63	11939	4.200	ug/L #	94
38) Bromodichloromethane	7.11	83	24261	4.672	ug/L #	98
39) cis-1,3-Dichloropropene	7.61	75	22471	4.376	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	85373	37.488	ug/L	96
42) Toluene	7.98	91	65461	4.795	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	23478	4.578	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	12300	4.487	ug/L	96
47) Tetrachloroethene	8.56	164	15136	5.235	ug/L	96
48) 2-Hexanone	8.69	43	64325	35.151	ug/L #	94
49) Dibromochloromethane	8.81	129	18269	4.892	ug/L	92
50) 1,2-Dibromoethane	8.93	107	12538	4.534	ug/L #	96
51) Chlorobenzene	9.45	112	43881	4.823	ug/L	99
52) Ethylbenzene	9.57	91	73590	4.704	ug/L	99
53) m,p-Xylene	9.69	106	27554	4.852	ug/L	96
54) o-Xylene	10.10	106	26284	4.774	ug/L	98
55) Styrene	10.11	104	46857	5.012	ug/L	98
56) Isopropylbenzene	10.48	105	76139	4.899	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	14188	4.214	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	11677	4.234	ug/L	100
61) Bromoform	10.29	173	12407	5.069	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	40289	4.908	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	41193	4.895	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	38256	4.707	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	3482	4.374	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	31302	4.772	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	24340	4.636	ug/L	100
69) Naphthalene	14.08	128	33869	4.105	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	22396	4.820	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.371 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

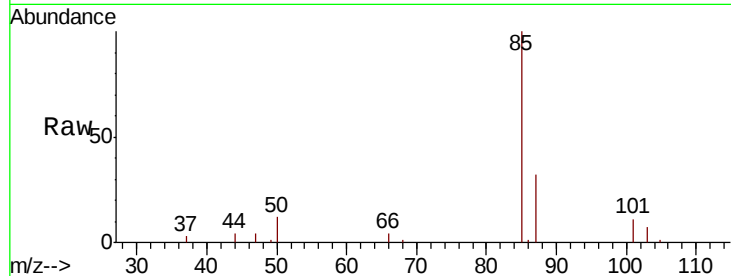
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 19218

Ion Ratio Lower Upper

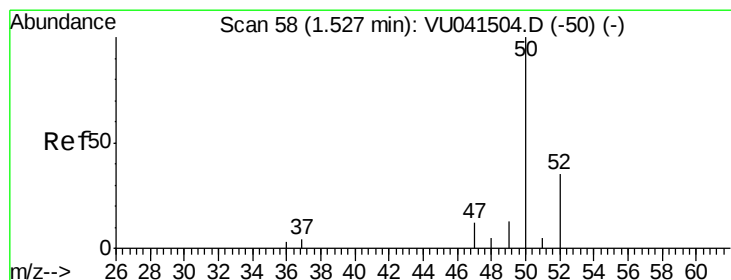
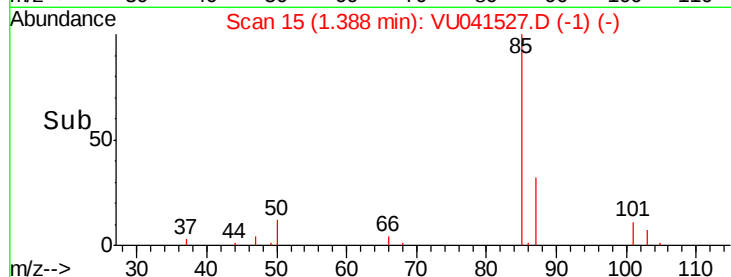
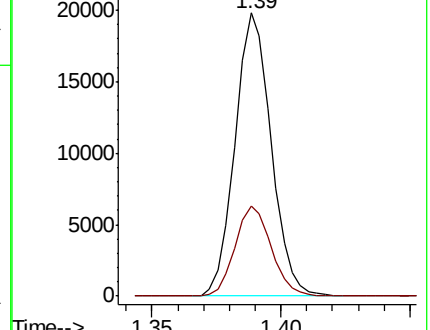
85 100

87 31.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU041504.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041504.D (-8) (-)



#3

Chloromethane

Concen: 3.681 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041527.D

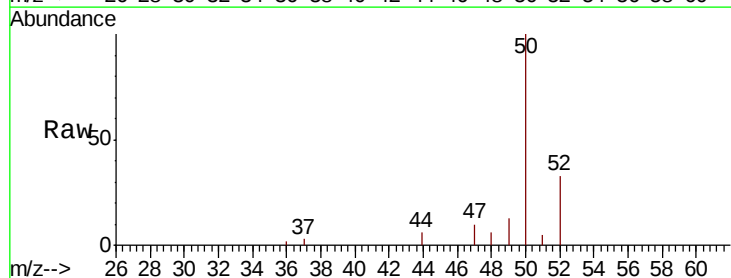
Acq: 09 Dec 2020 20:24

Tgt Ion: 50 Resp: 10461

Ion Ratio Lower Upper

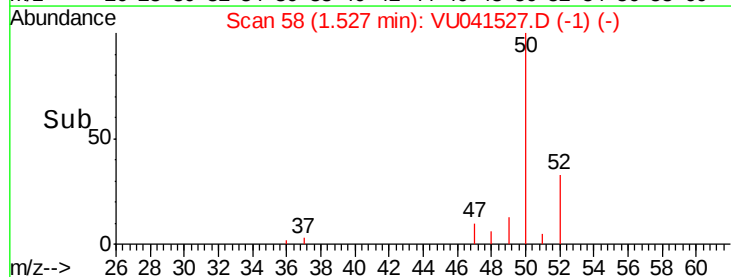
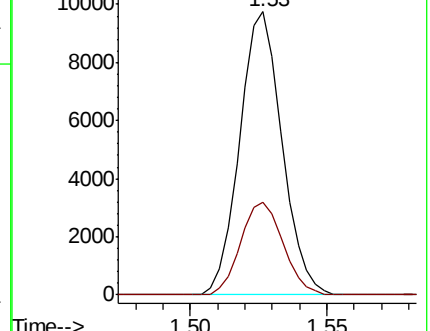
50 100

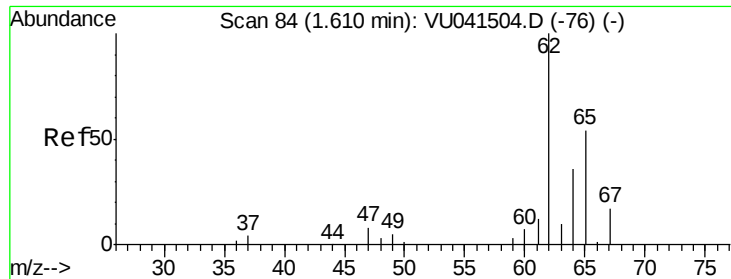
52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU041504.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041504.D (-50) (-)





#5

Vinyl chloride

Concen: 4.083 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

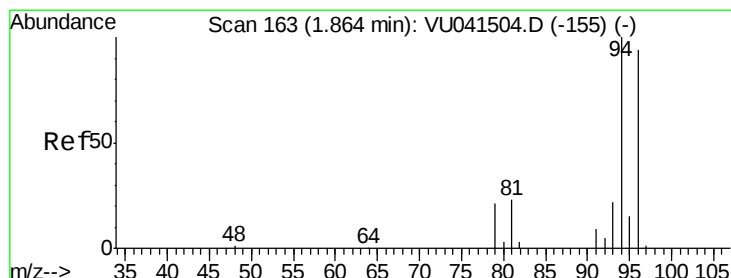
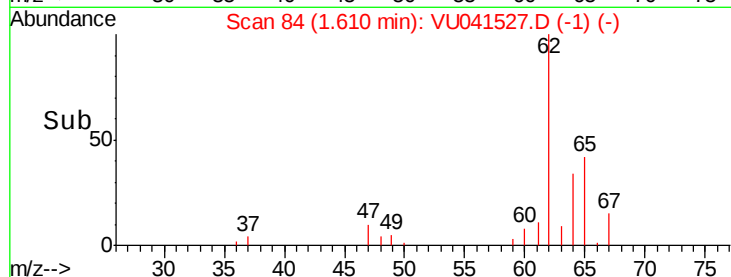
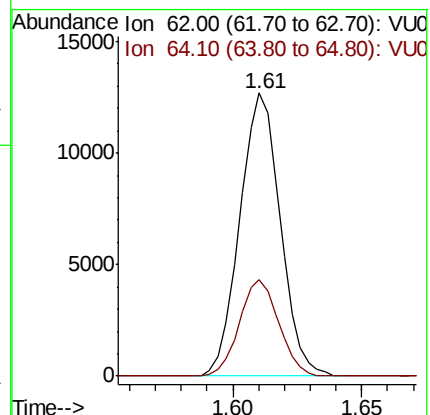
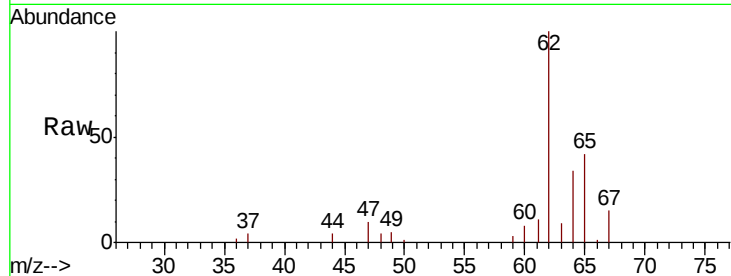
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 13836

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.8



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041527.D

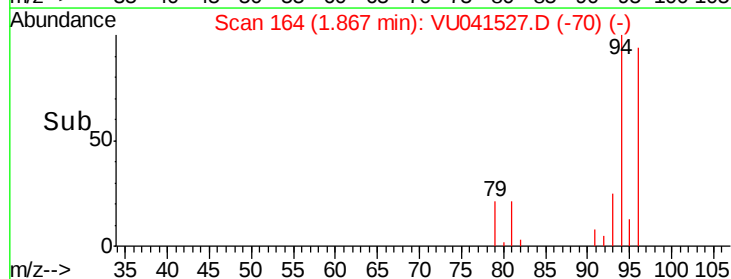
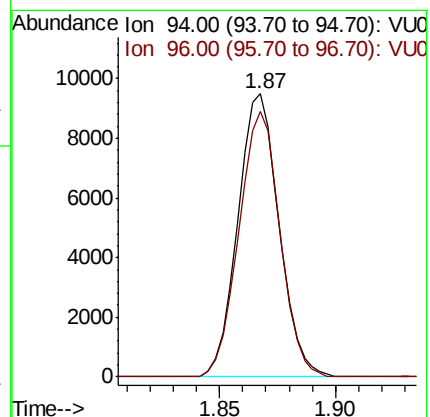
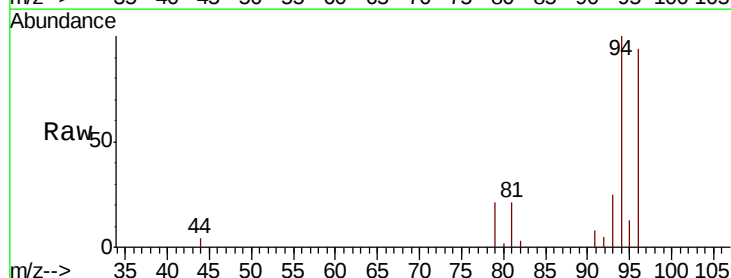
Acq: 09 Dec 2020 20:24

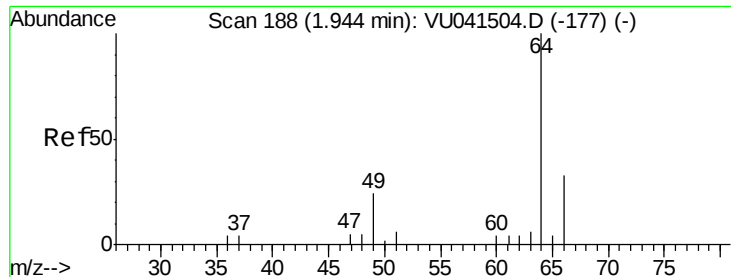
Tgt Ion: 94 Resp: 11713

Ion Ratio Lower Upper

94 100

96 93.8 68.5 127.1

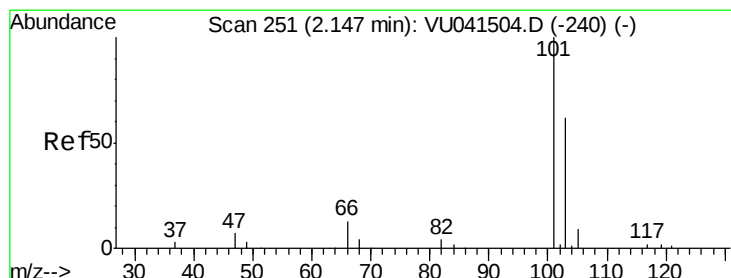
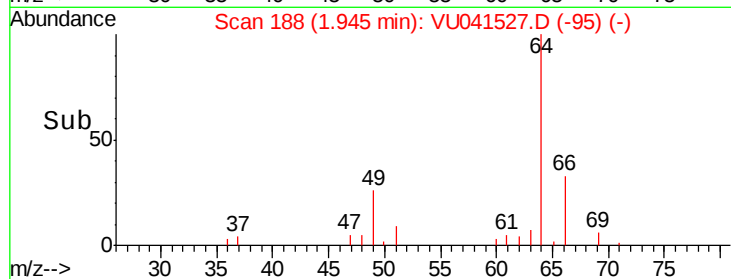
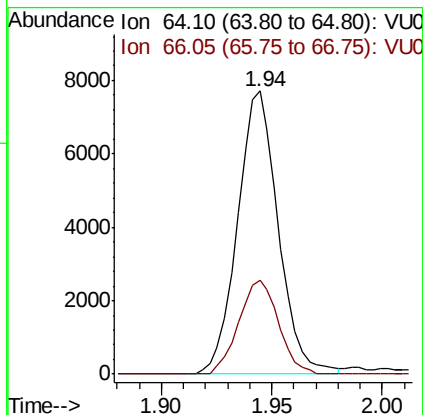
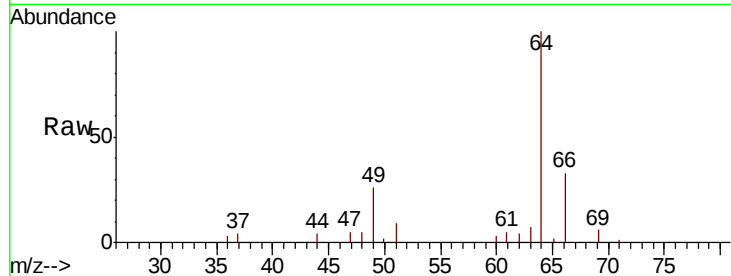




#8
 Chloroethane
 Concen: 4.493 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

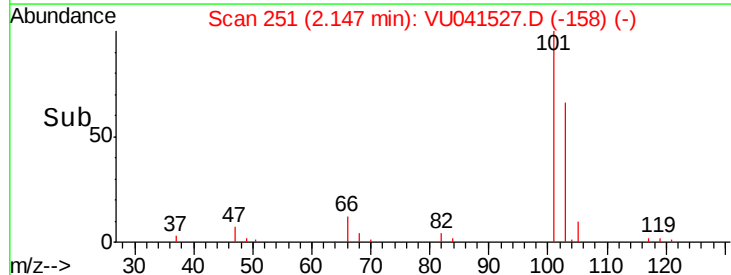
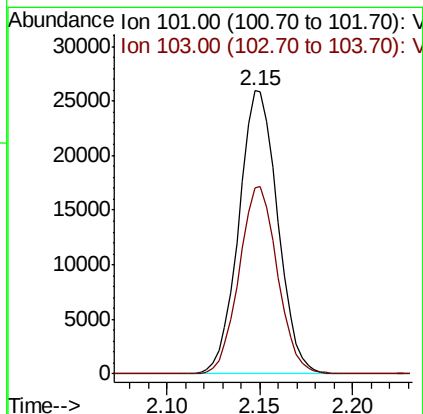
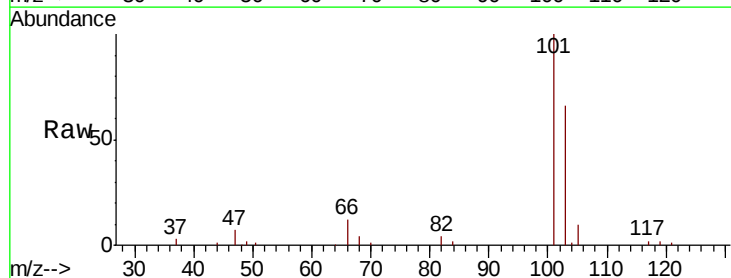
Instrument :
 MSVOA_U
 ClientSampleId :

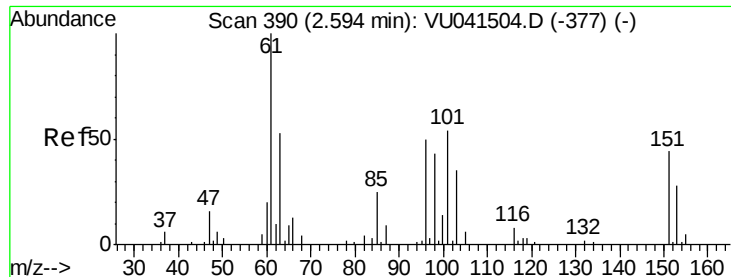
Tot Ion: 64 Resp: 9904
 Ion Ratio Lower Upper
 64 100
 66 33.2 20.9 38.9



#9
 Trichlorofluoromethane
 Concen: 4.991 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion:101 Resp: 37678
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.0





#10

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

Concen: 4.825 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

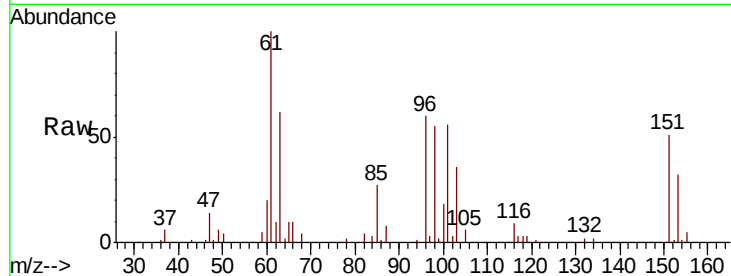
Tot Ion:101 Resp: 16325

Ion Ratio Lower Upper

101 100

85 45.5 39.4 59.2

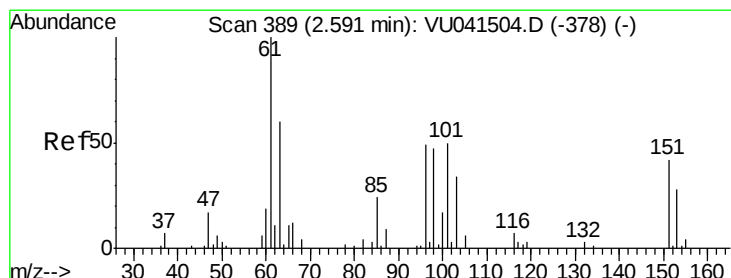
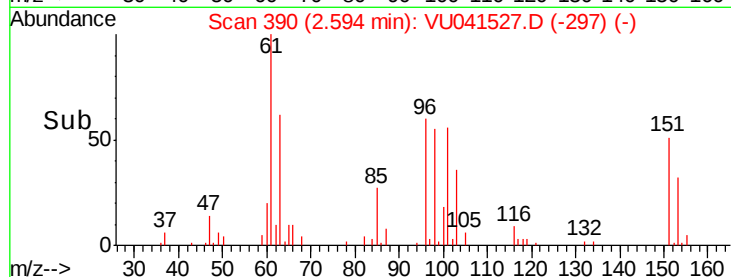
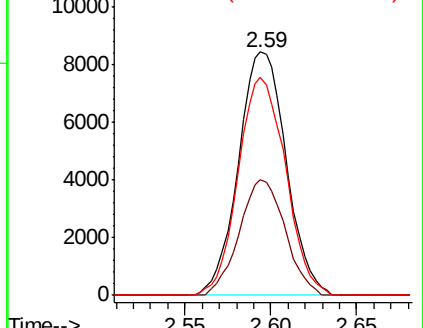
151 88.8 63.8 95.8



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: 4.947 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

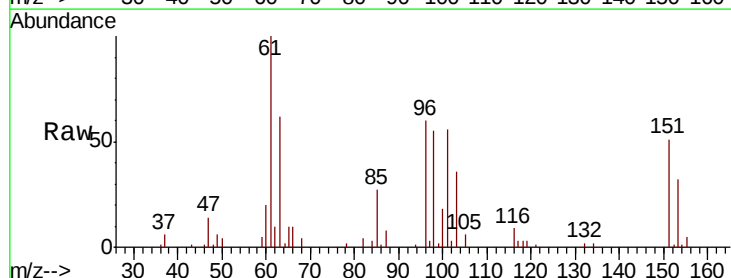
Tgt Ion: 96 Resp: 14383

Ion Ratio Lower Upper

96 100

61 166.5 127.8 237.4

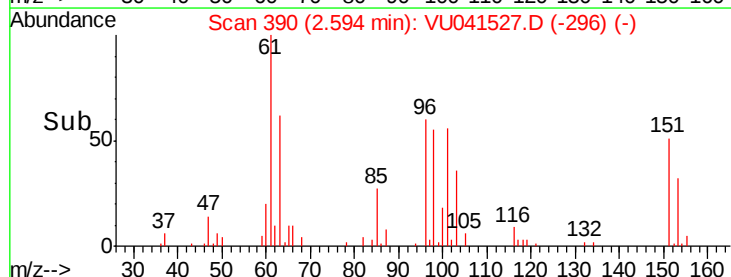
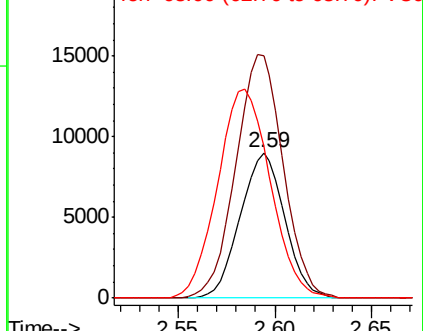
63 103.8 86.2 160.0

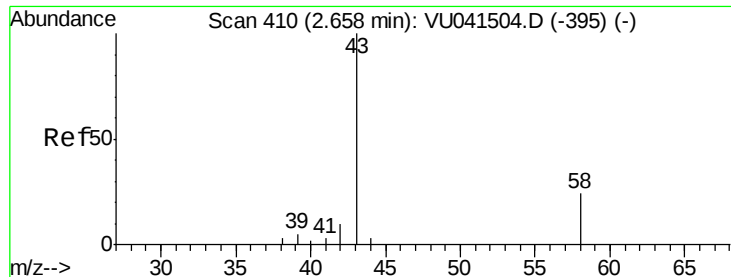


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 37.881 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

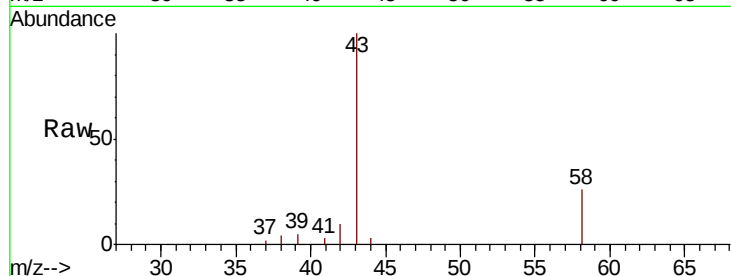
ClientSampleId :

Tot Ion: 43 Resp: 28209

Ion Ratio Lower Upper

43 100

58 24.4 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

8000

6000

4000

2000

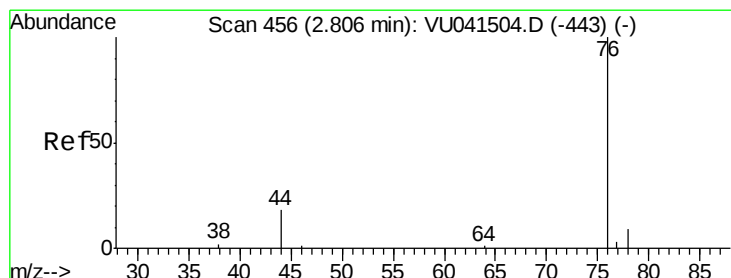
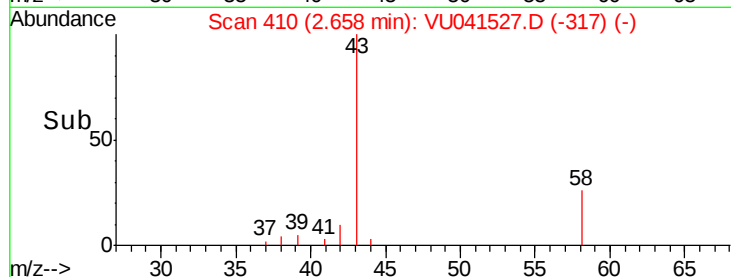
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 4.333 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041527.D

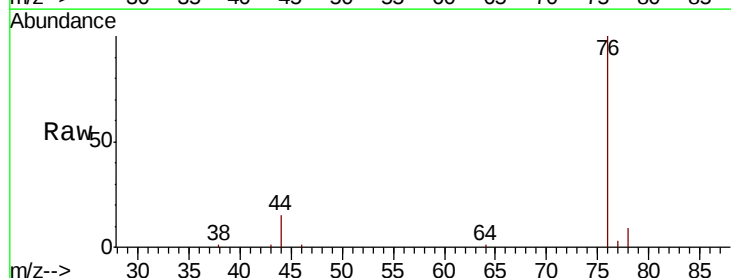
Acq: 09 Dec 2020 20:24

Tgt Ion: 76 Resp: 38832

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

25000

20000

15000

10000

5000

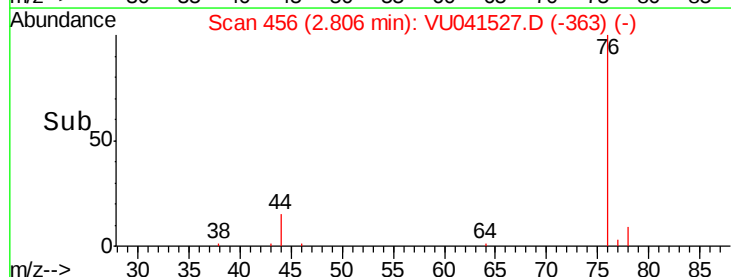
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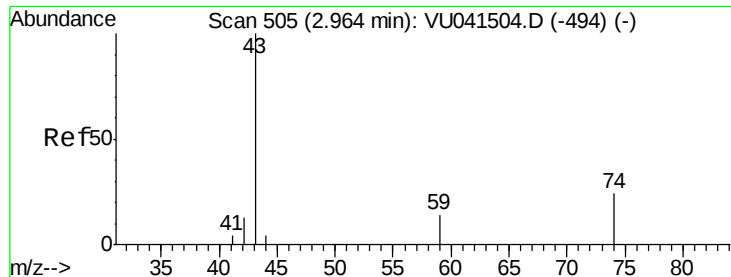
Time-->

2.75

2.80

2.85





#15

Methvl Acetate

Concen: 3.806 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

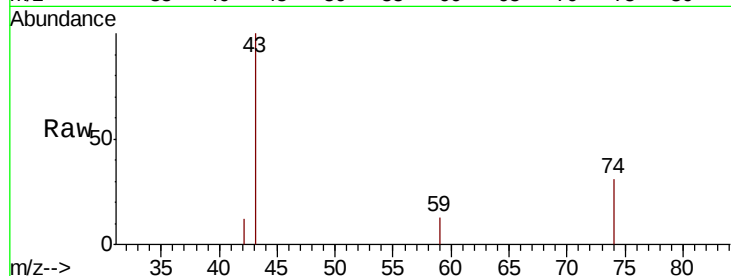
ClientSampleId :

Tot Ion: 43 Resp: 5187

Ion Ratio Lower Upper

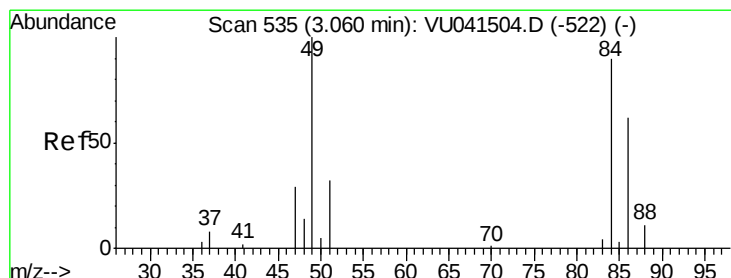
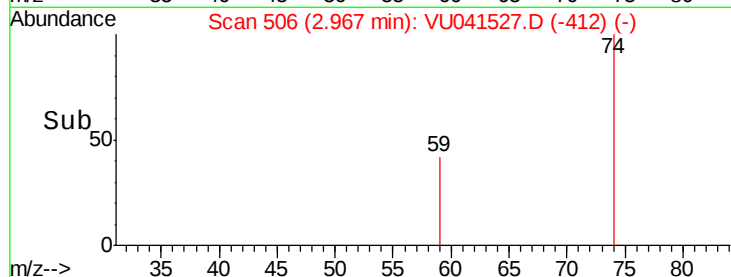
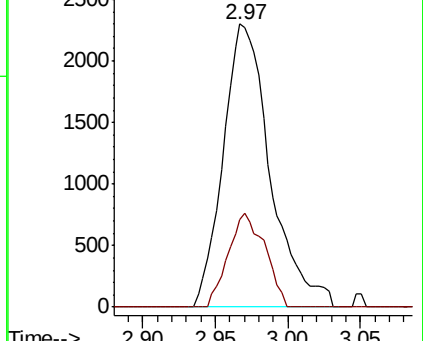
43 100

74 25.8 19.7 29.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.203 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

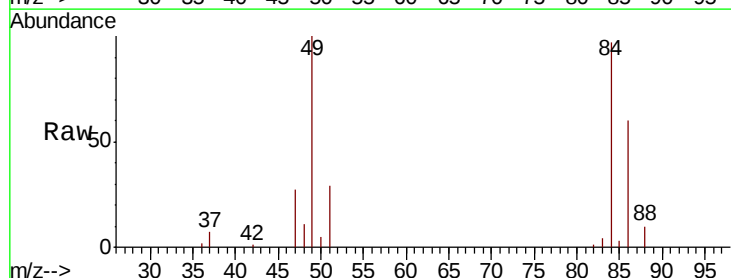
Tgt Ion: 84 Resp: 16310

Ion Ratio Lower Upper

84 100

86 62.1 44.1 81.9

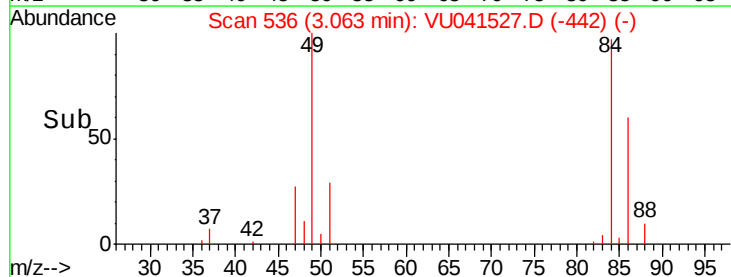
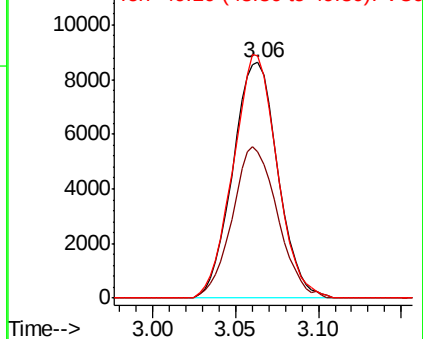
49 103.2 86.1 159.9

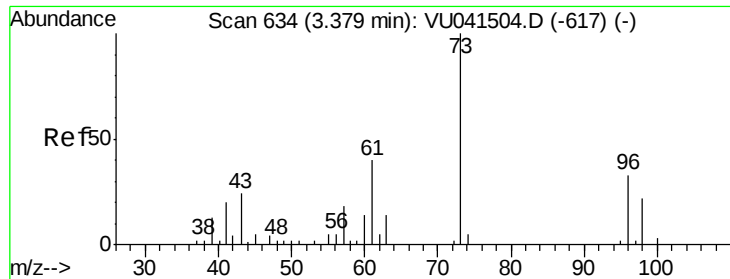


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

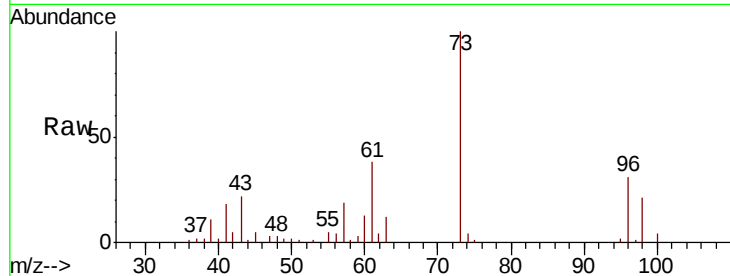




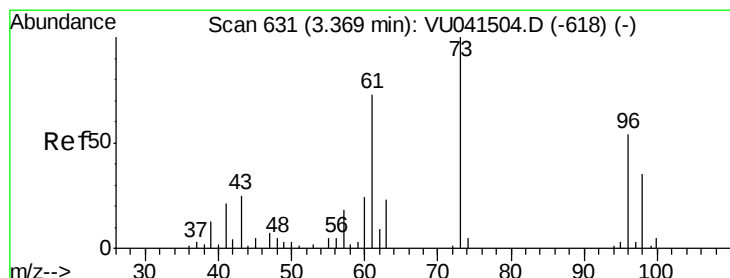
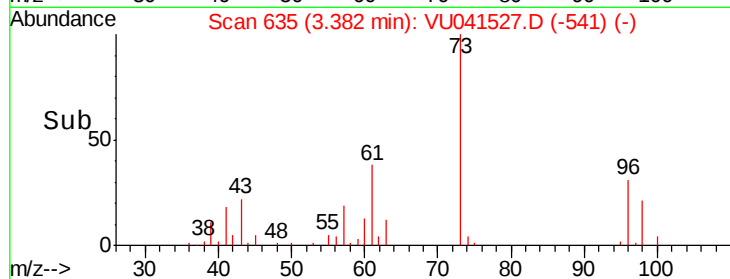
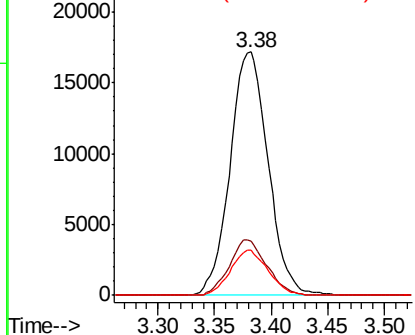
#17
Methvl tert-butvl Ether
Concen: 4.557 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 40201
Ion Ratio Lower Upper
73 100
43 22.2 19.1 28.7
57 18.4 15.5 23.3

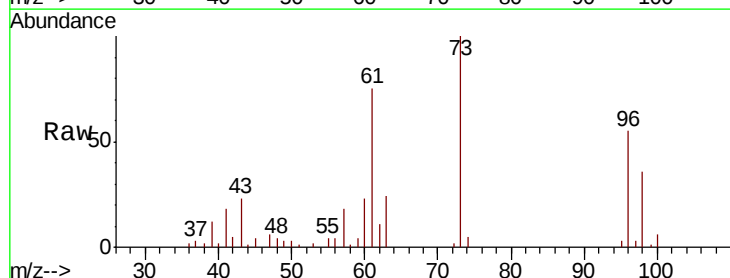


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

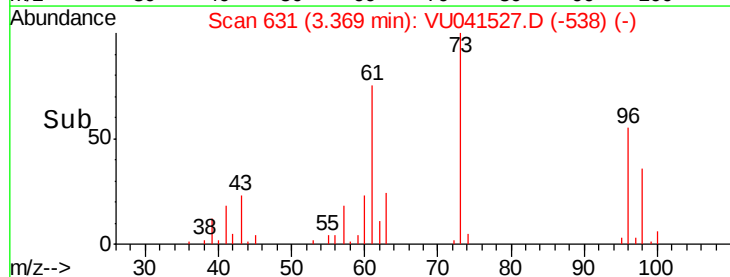
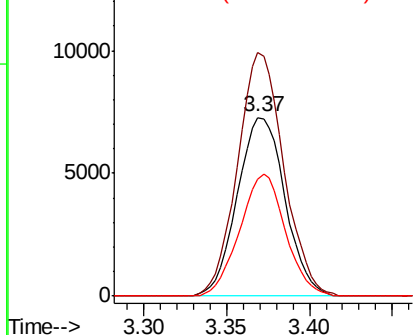


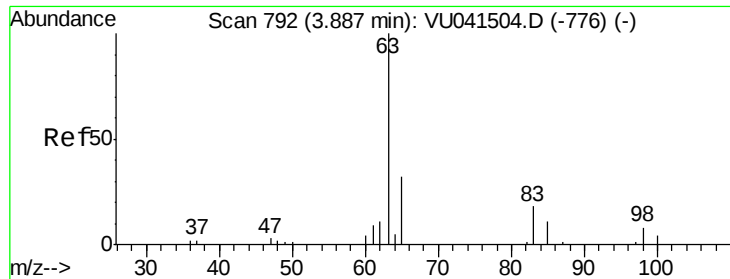
#18
trans-1,2-Dichloroethene
Concen: 4.957 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Tgt Ion: 96 Resp: 14556
Ion Ratio Lower Upper
96 100
61 136.3 98.8 183.4
98 65.7 41.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.654 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

ClientSampled :

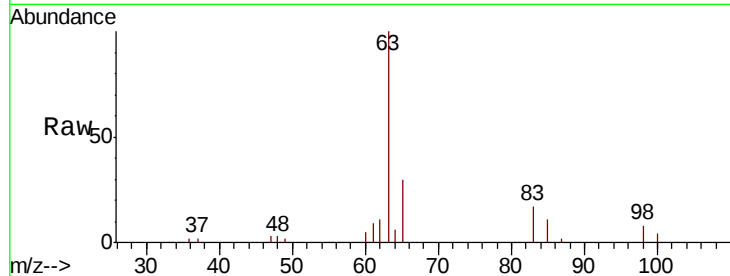
Tot Ion: 63 Resp: 25245

Ion Ratio Lower Upper

63 100

65 29.9 22.3 41.5

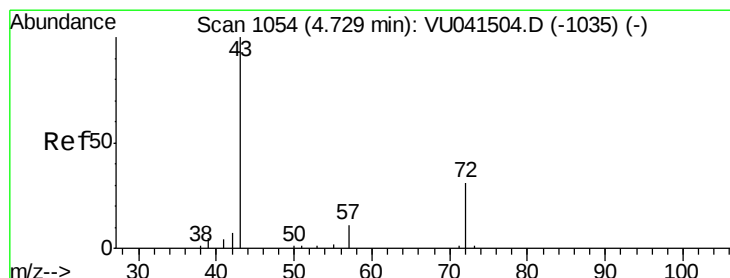
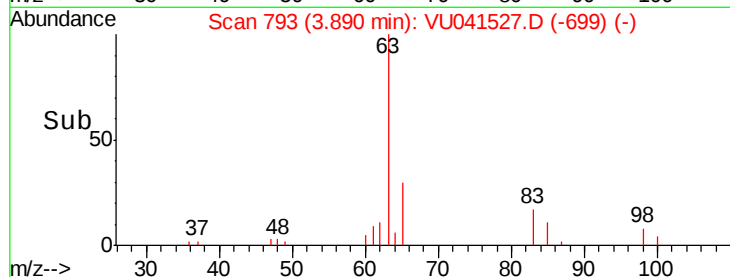
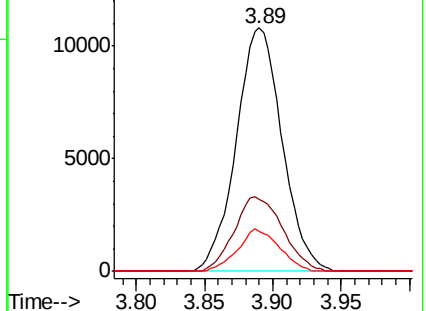
83 16.7 11.1 20.7



Abundance Ion 63.10 (62.80 to 63.80): VU041504.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU041504.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU041504.D (-776) (-)



#21

2-Butanone

Concen: 39.638 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041527.D

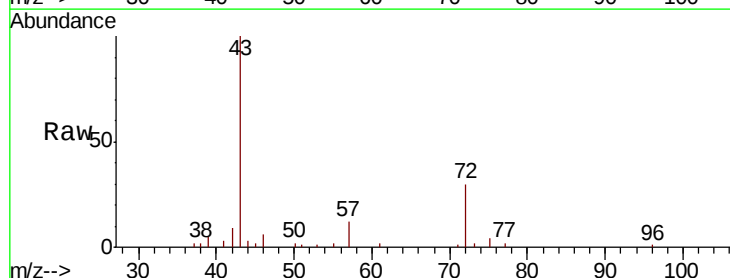
Acq: 09 Dec 2020 20:24

Tgt Ion: 43 Resp: 36934

Ion Ratio Lower Upper

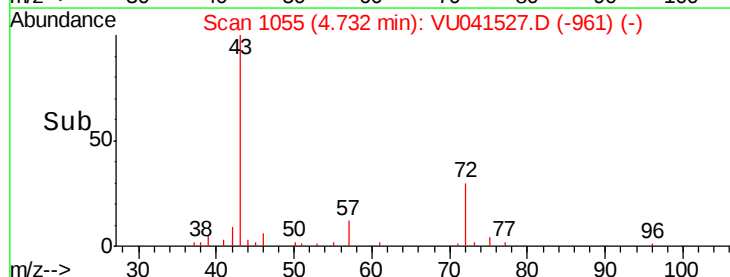
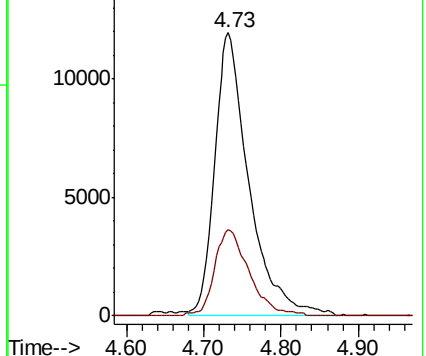
43 100

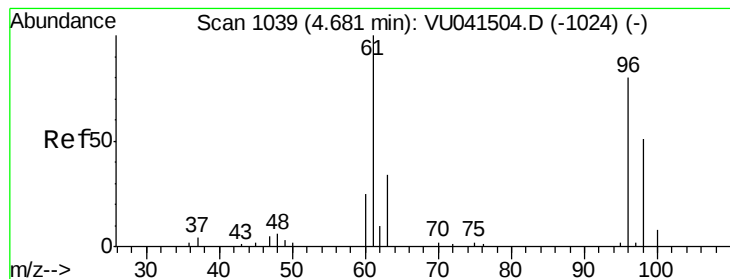
72 31.0 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU041504.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU041504.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.726 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

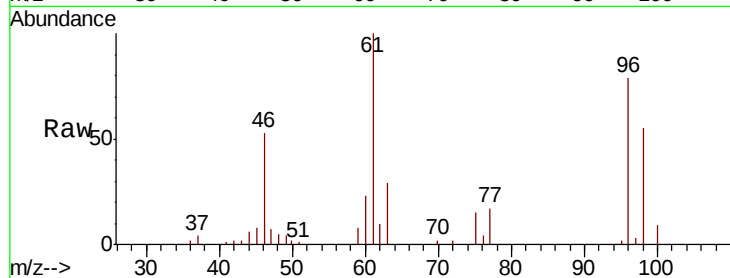
Tot Ion: 96 Resp: 15390

Ion Ratio Lower Upper

96 100

61 126.2 90.5 168.1

68 0.0 0.0 0.0

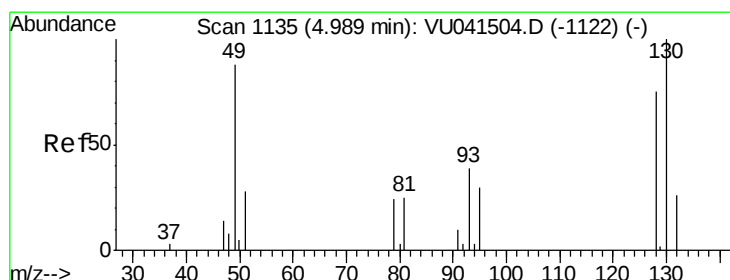
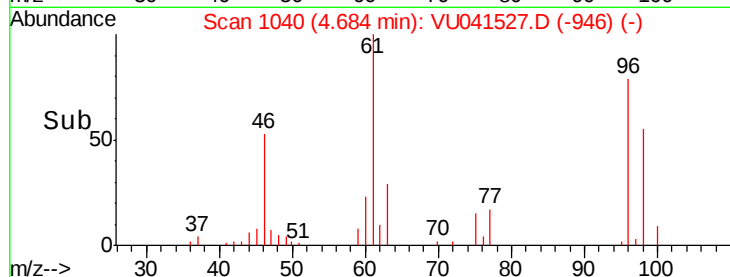
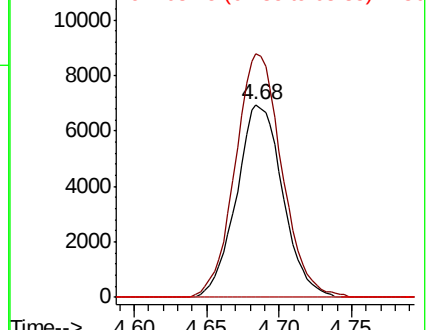


Abundance

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: 5.142 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Tgt Ion: 128 Resp: 8750

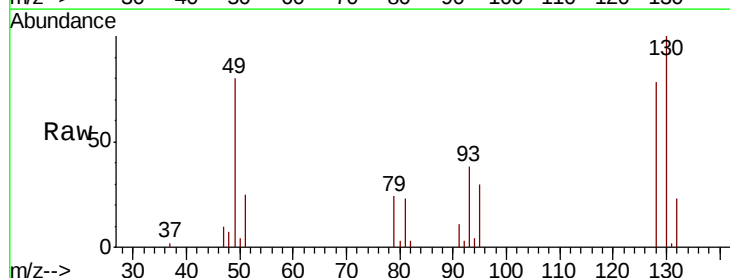
Ion Ratio Lower Upper

128 100

49 102.7 84.2 156.4

130 127.8 89.9 167.0

51 31.9 30.4 45.6



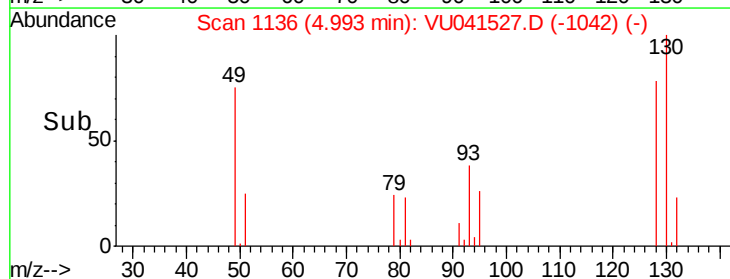
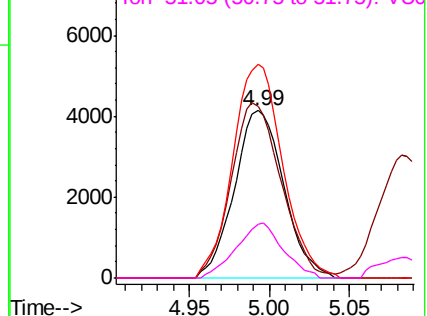
Abundance

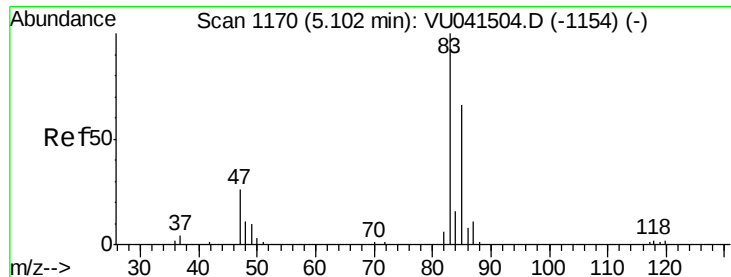
Ion 127.90 (127.60 to 128.60): V

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

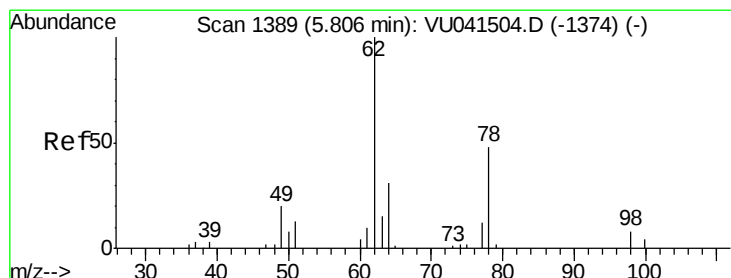
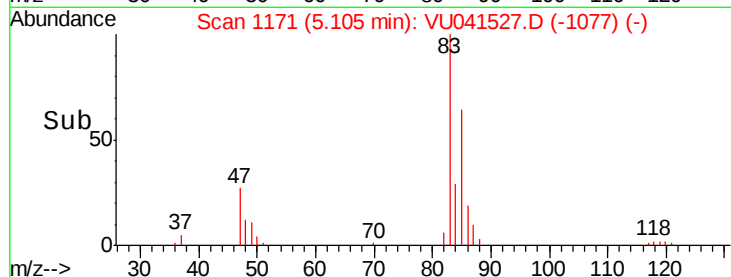
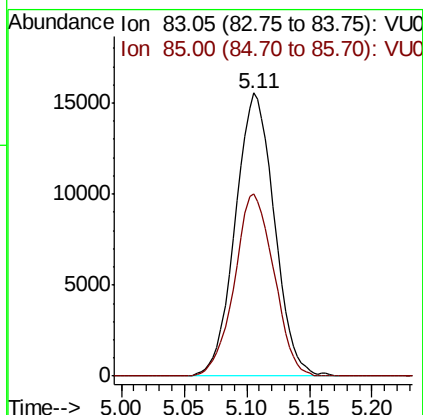
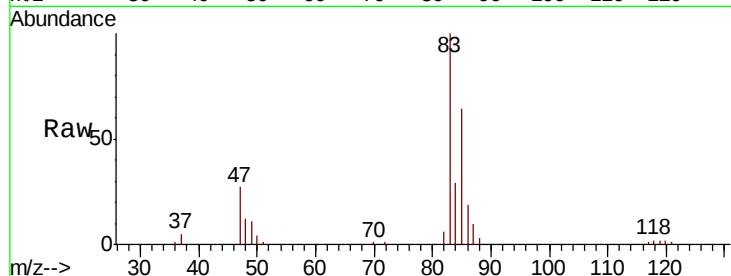




#25
Chloroform
Concen: 4.862 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

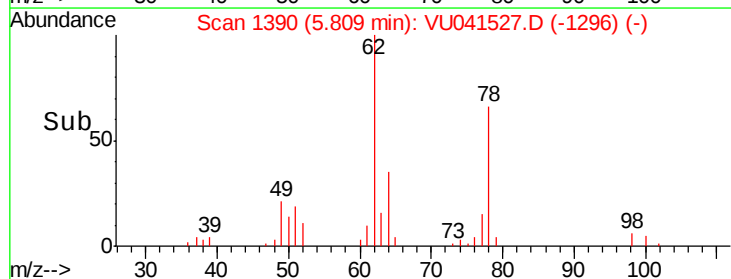
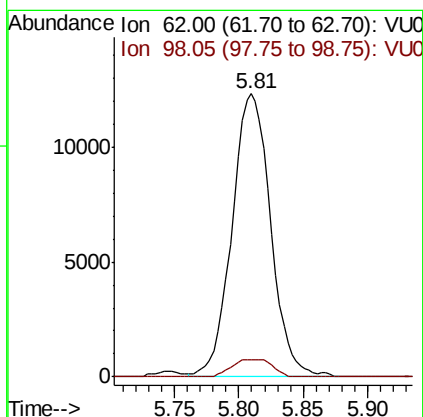
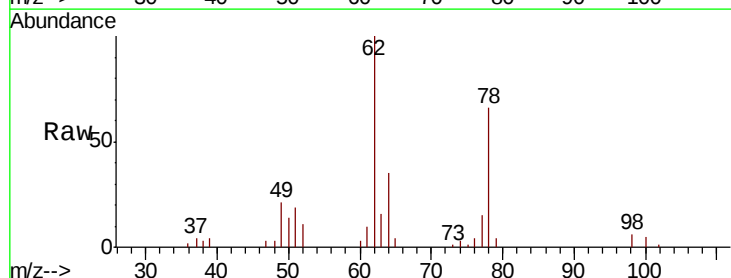
Instrument :
MSVOA_U
ClientSampled :

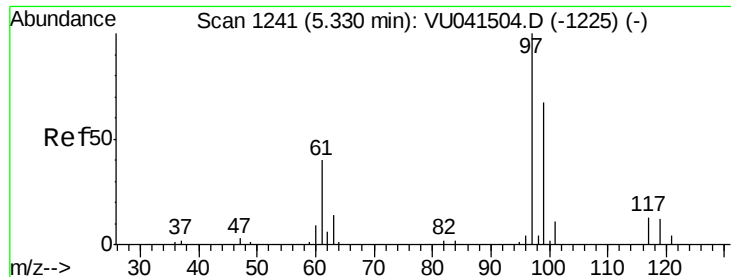
Tot Ion: 83 Resp: 33605
Ion Ratio Lower Upper
83 100
85 64.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.757 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Tgt Ion: 62 Resp: 25696
Ion Ratio Lower Upper
62 100
98 6.2 5.7 8.5

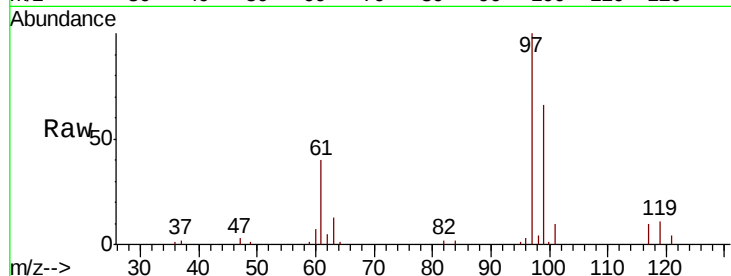




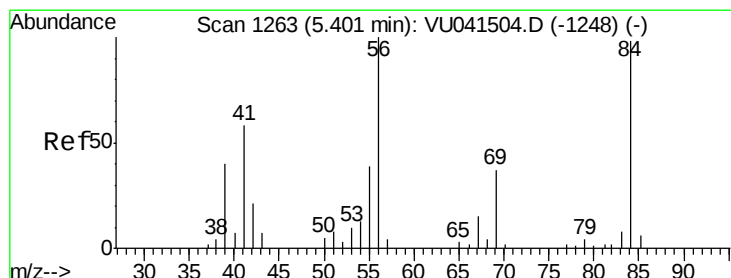
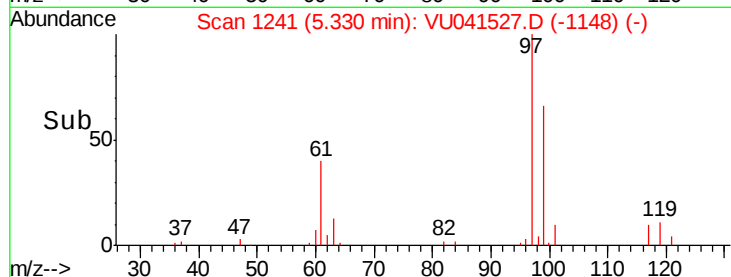
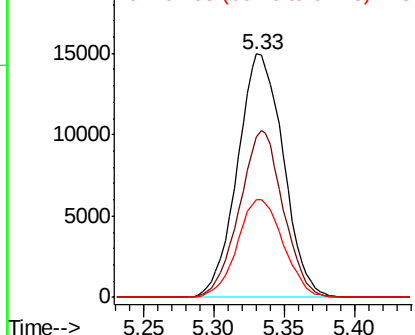
#29
1,1,1-Trichloroethane
Concen: 4.843 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 34010
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.6
61 40.2 34.6 52.0

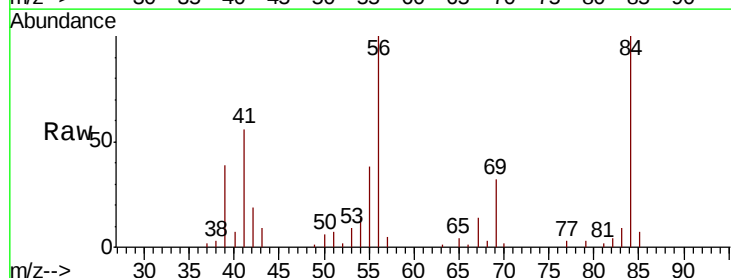


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

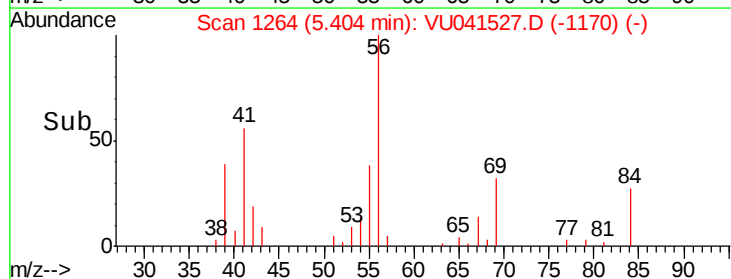
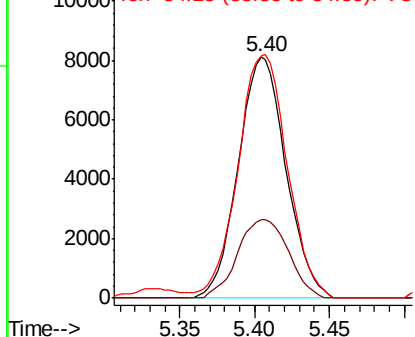


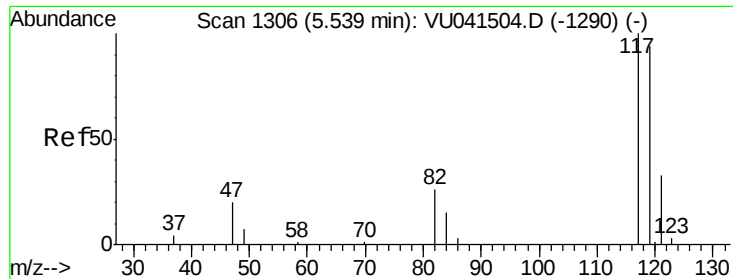
#30
Cyclohexane
Concen: 4.073 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Tgt Ion: 56 Resp: 17987
Ion Ratio Lower Upper
56 100
69 34.7 25.9 38.9
84 104.8 74.9 112.3



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





#31

Carbon tetrachloride

Concen: 4.993 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

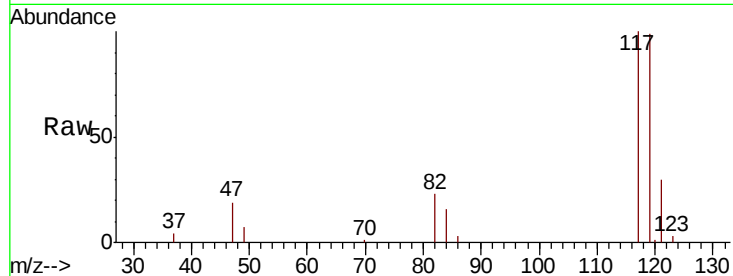
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 32472

Ion Ratio Lower Upper

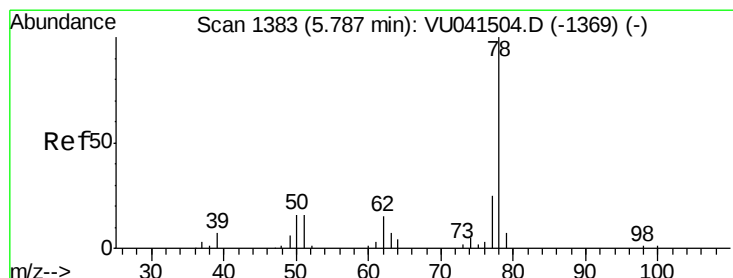
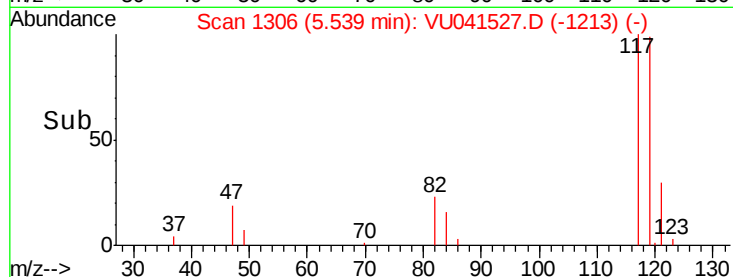
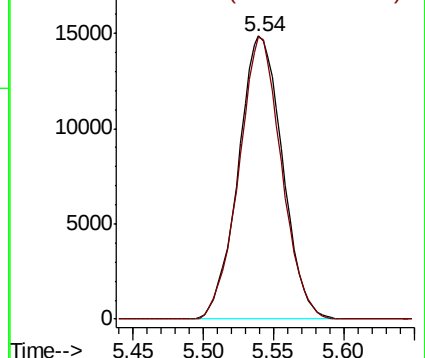
117 100

119 96.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.539 ug/L

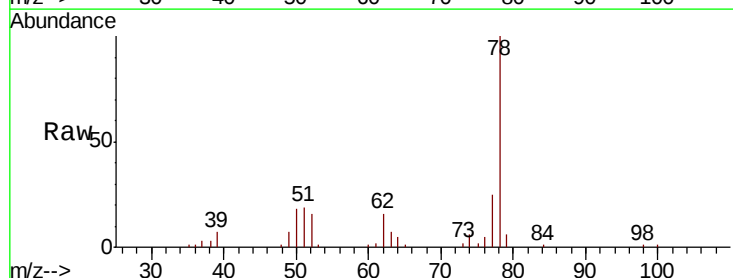
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

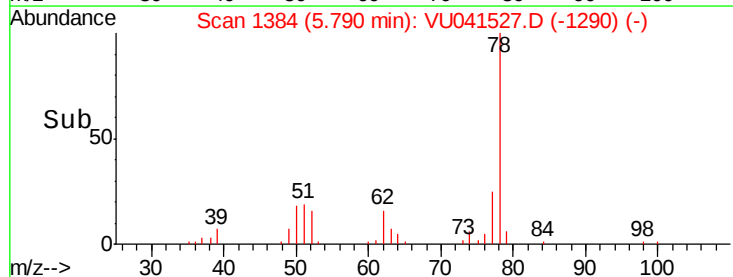
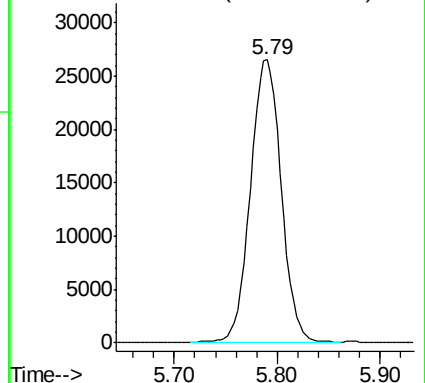
Lab File: VU041527.D

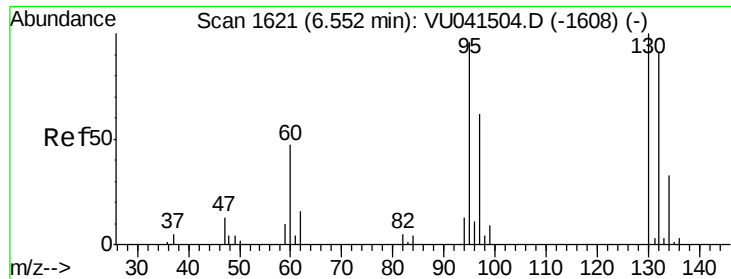
Acq: 09 Dec 2020 20:24

Tgt Ion: 78 Resp: 55059



Abundance Ion 78.10 (77.80 to 78.80): VU0

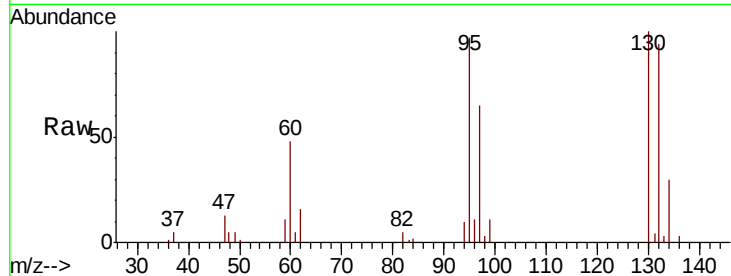




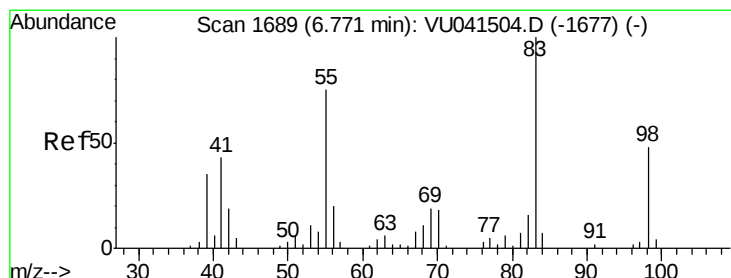
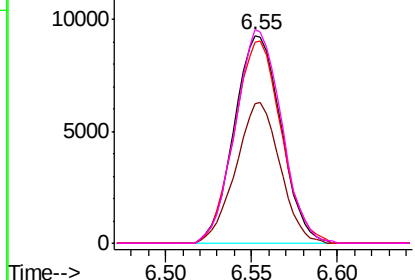
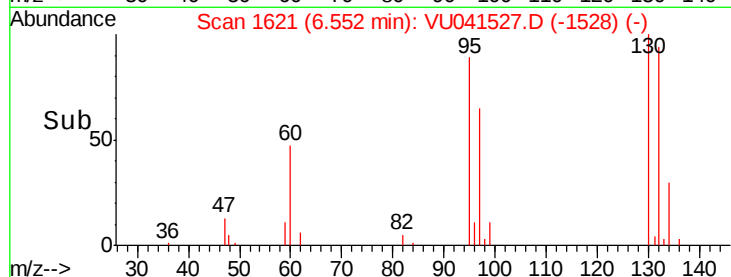
#34
 Trichloroethene
 Concen: 4.782 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 17507
 Ion Ratio Lower Upper
 95 100
 97 67.3 44.7 83.1
 132 96.5 65.7 121.9
 130 102.8 68.8 127.8

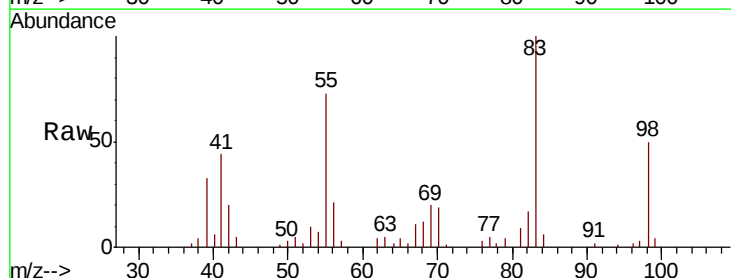


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

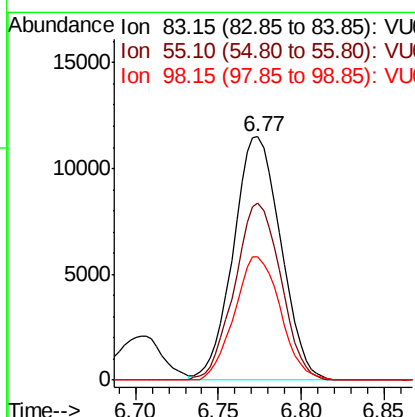
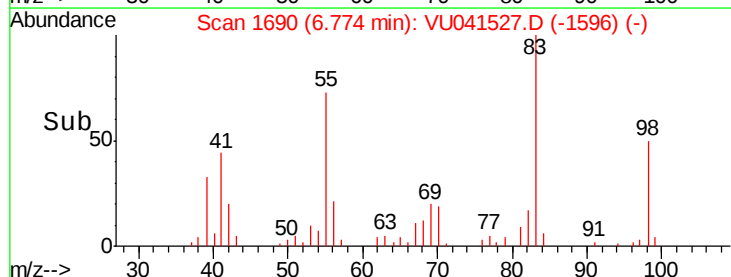


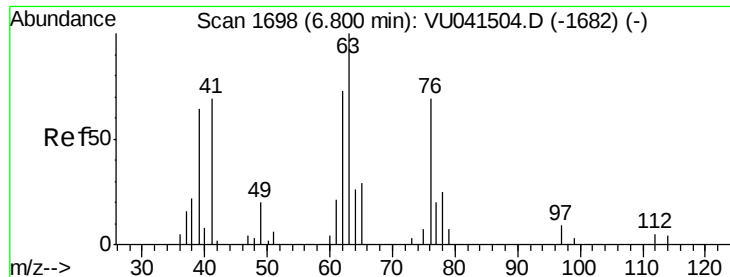
#35
 Methylcyclohexane
 Concen: 4.606 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion: 83 Resp: 23000
 Ion Ratio Lower Upper
 83 100
 55 70.6 62.1 93.1
 98 49.2 38.7 58.1



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

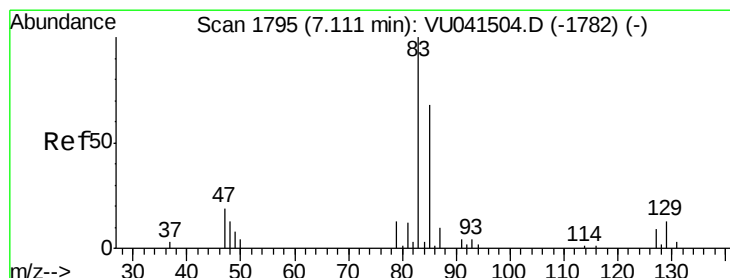
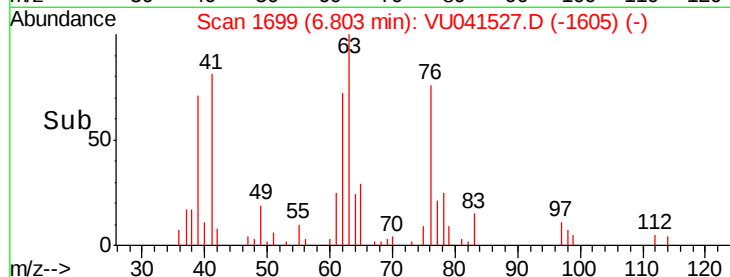
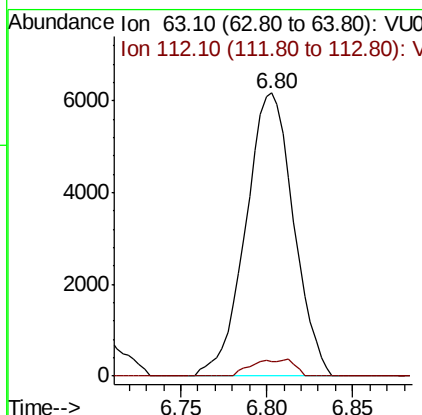
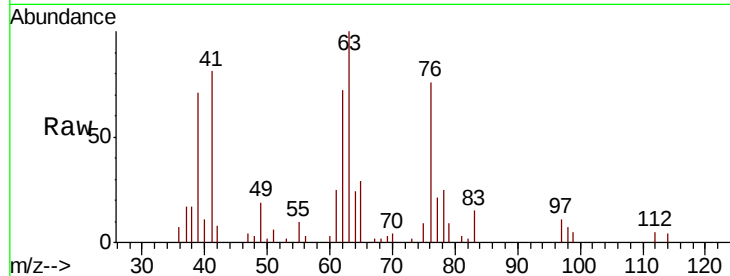




#37
 1,2-Dichloropropane
 Concen: 4.200 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

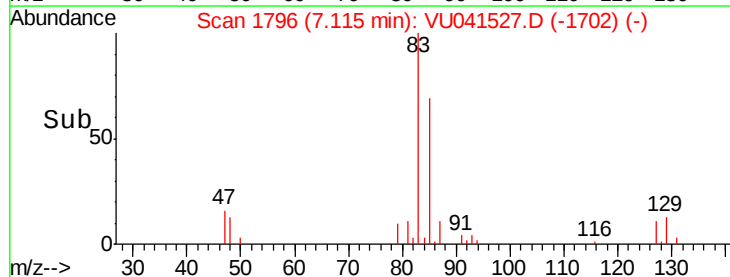
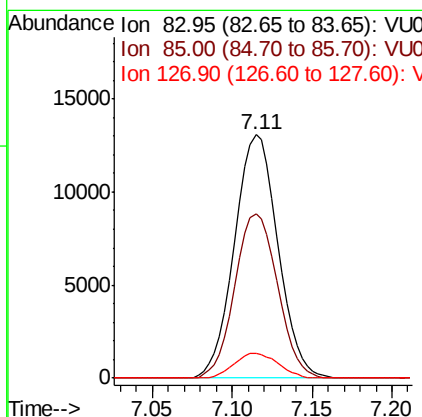
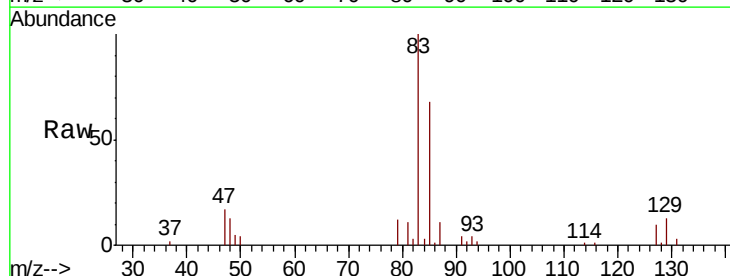
Instrument :
 MSVOA_U
 ClientSampleId :

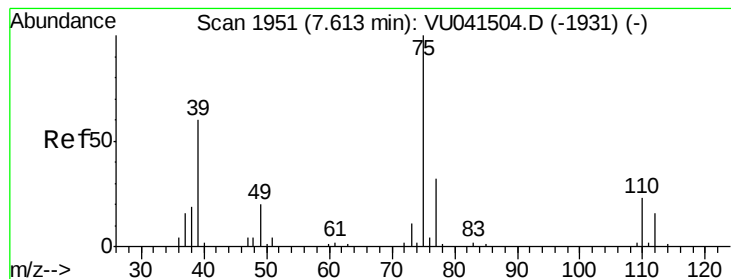
Tot Ion: 63 Resp: 11939
 Ion Ratio Lower Upper
 63 100
 112 3.4 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 4.672 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion: 83 Resp: 24261
 Ion Ratio Lower Upper
 83 100
 85 67.7 46.7 86.7
 127 10.4 6.6 10.0#



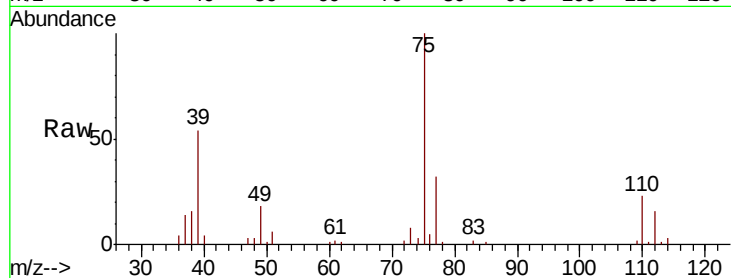


#39

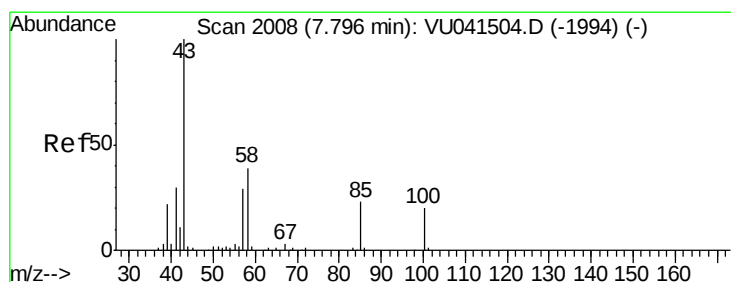
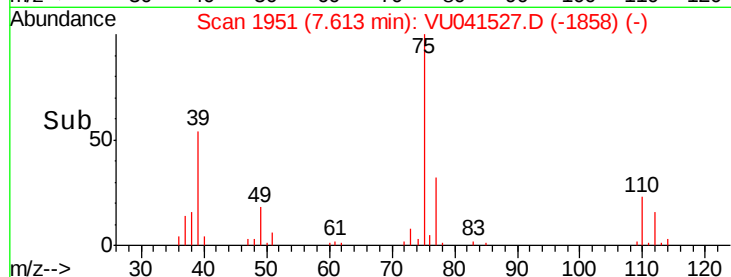
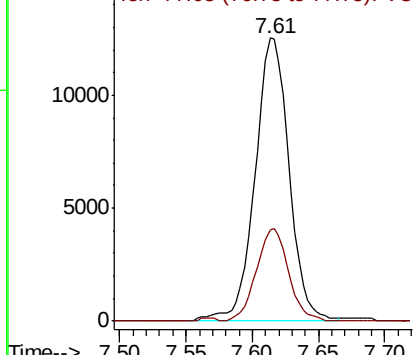
cis-1,3-Dichloropropene
 Concen: 4.376 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 22471
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.0 44.6



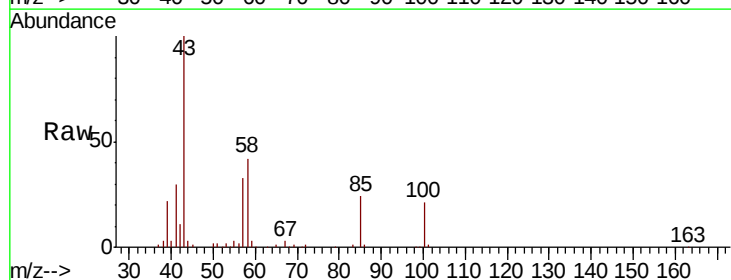
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



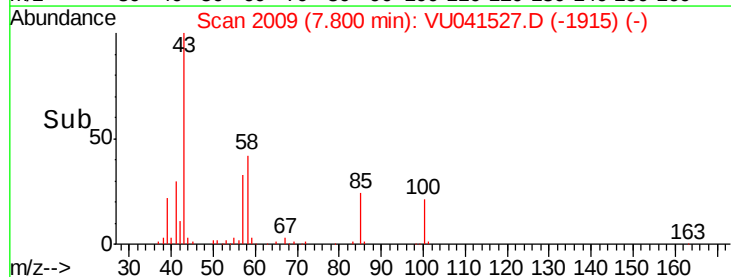
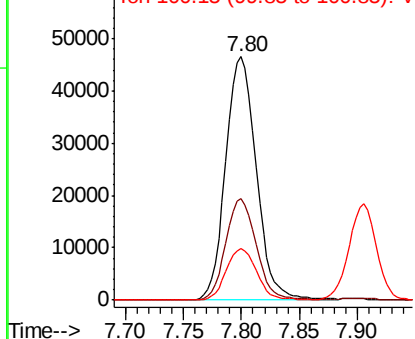
#40

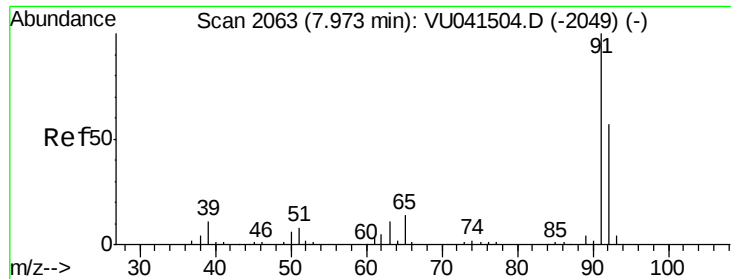
4-Methyl-2-pentanone
 Concen: 37.488 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion: 43 Resp: 85373
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.0 48.0
 100 20.9 14.2 21.2



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: 4.795 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

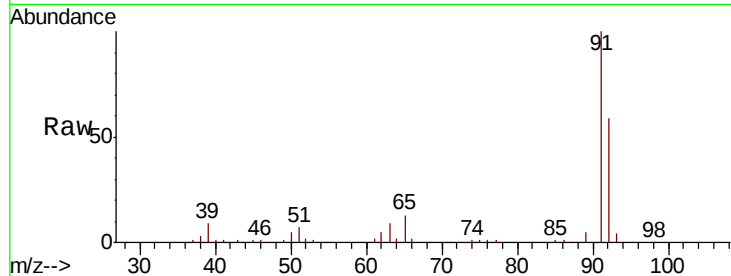
ClientSampleId :

Tot Ion: 91 Resp: 65461

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041504.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041504.D (-2049) (-)

7.98

40000

30000

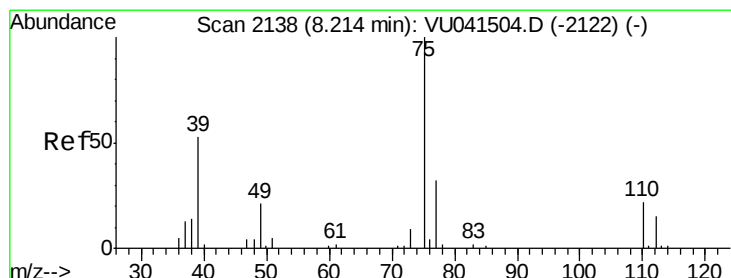
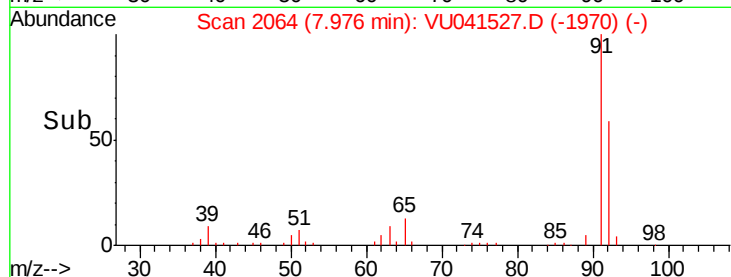
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 4.578 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041527.D

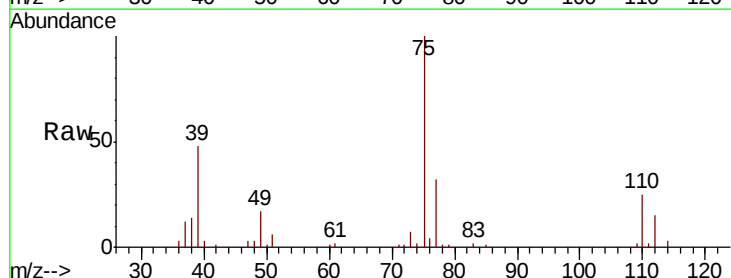
Acq: 09 Dec 2020 20:24

Tgt Ion: 75 Resp: 23478

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041504.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041504.D (-2122) (-)

8.22

15000

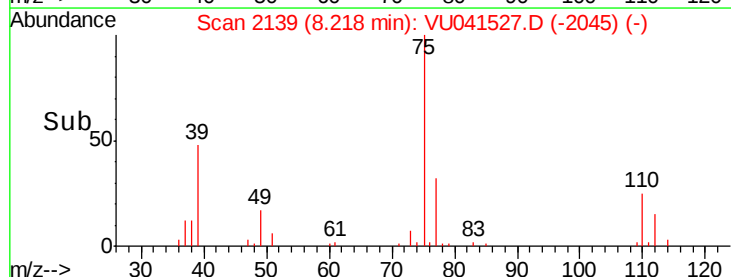
10000

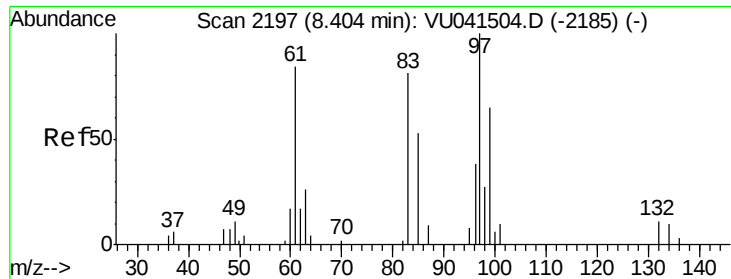
5000

0

Time-->

8.15 8.20 8.25 8.30

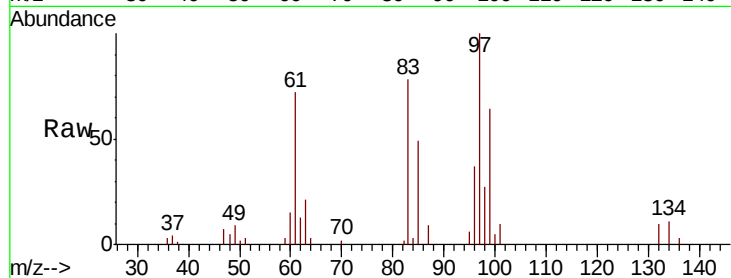




#45
 1,1,2-Trichloroethane
 Concen: 4.487 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	12300
Ion	Ratio	Lower	Upper
97	100		
99	64.0	40.7	75.7
83	78.2	56.2	104.4
85	49.5	36.0	67.0



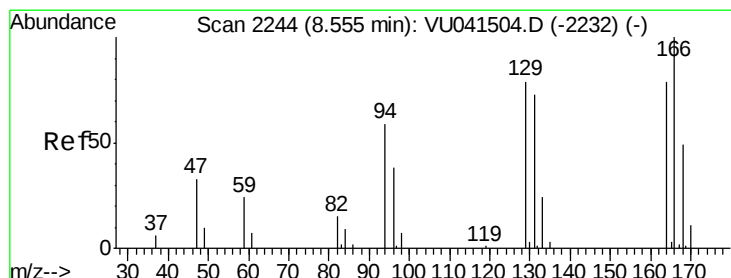
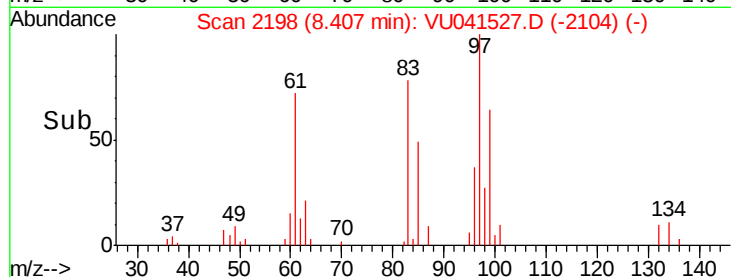
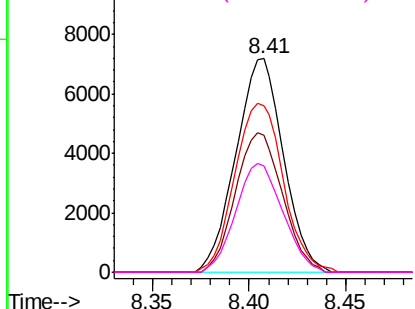
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

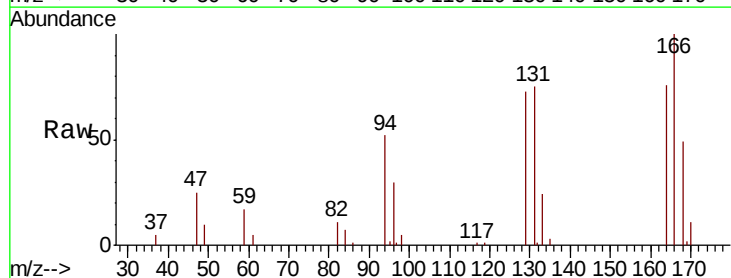
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.235 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion:	164	Resp:	15136
Ion	Ratio	Lower	Upper
164	100		
129	96.5	67.1	124.7
131	97.9	63.3	117.7
166	131.4	88.8	164.8



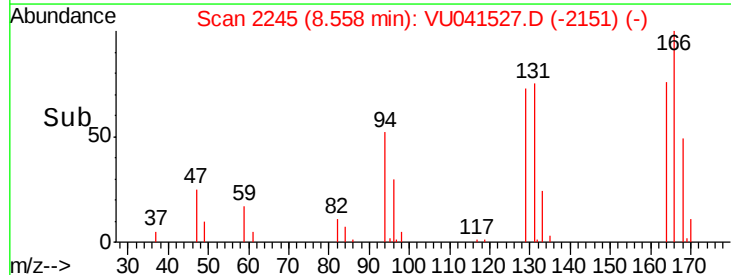
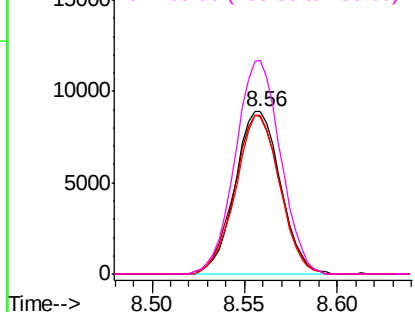
Abundance

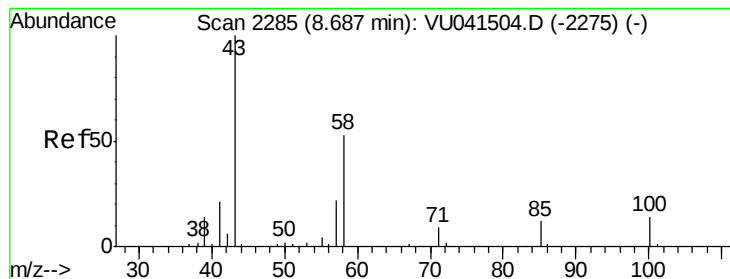
Ion 163.90 (163.60 to 164.60): V

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: 35.151 ug/L

RT: 8.69 min Scan# 2286

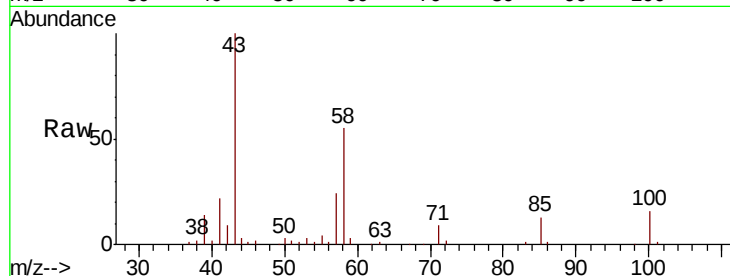
Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	64325
Ion	Ratio	Lower	Upper
43	100		
58	54.8	41.4	62.0
57	24.9	17.1	25.7
100	16.3	10.6	16.0#



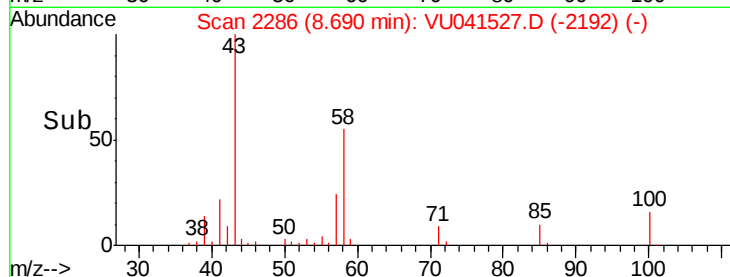
Abundance Ion 43.05 (42.75 to 43.75): VU041504.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU041504.D (-2275) (-)

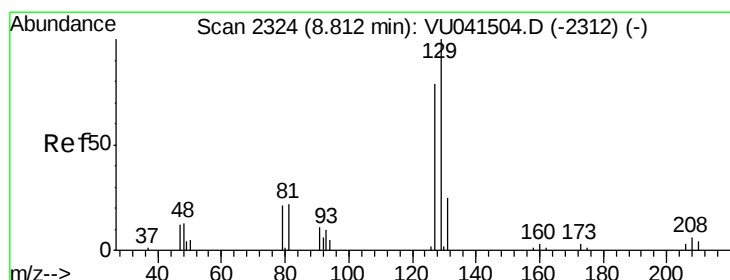
Ion 57.20 (56.90 to 57.90): VU041504.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU041504.D (-2275) (-)

Time-->



Time-->



#49

Dibromochloromethane

Concen: 4.892 ug/L

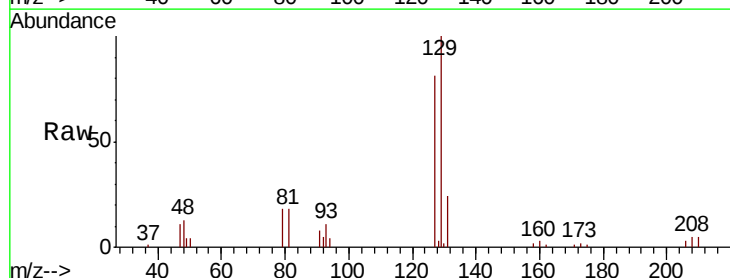
RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

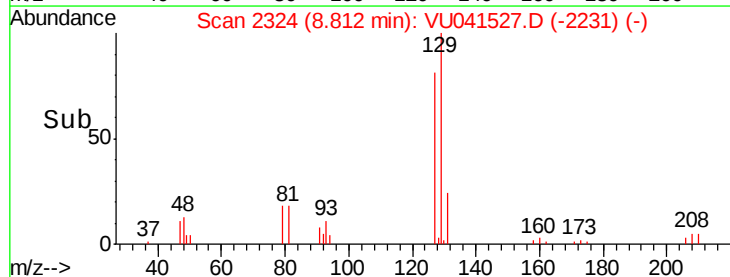
Tgt Ion:	129	Resp:	18269
Ion	Ratio	Lower	Upper
129	100		
127	81.4	52.4	97.2



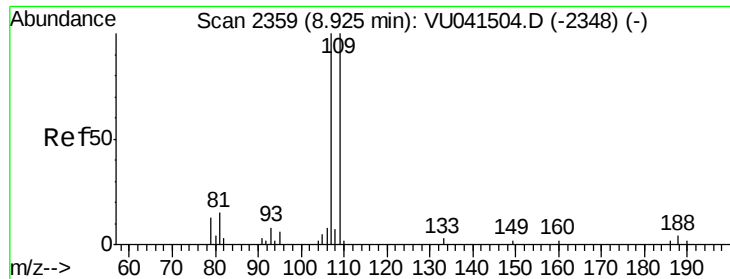
Abundance Ion 128.95 (128.65 to 129.65): VU041504.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU041504.D (-2312) (-)

Time-->



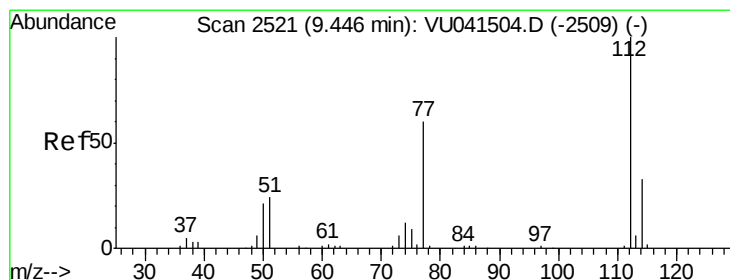
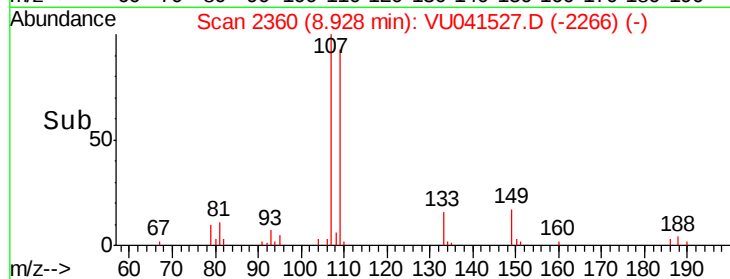
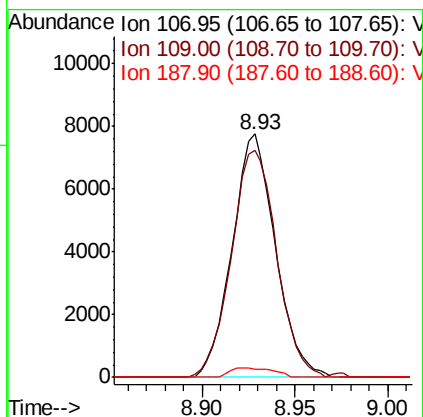
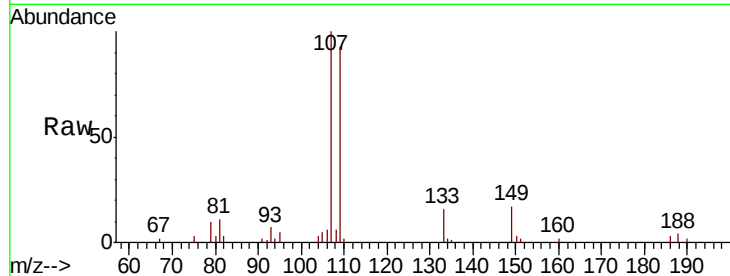
Time-->



#50
 1,2-Dibromoethane
 Concen: 4.534 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

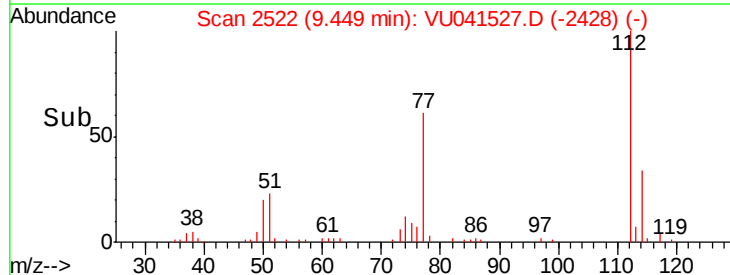
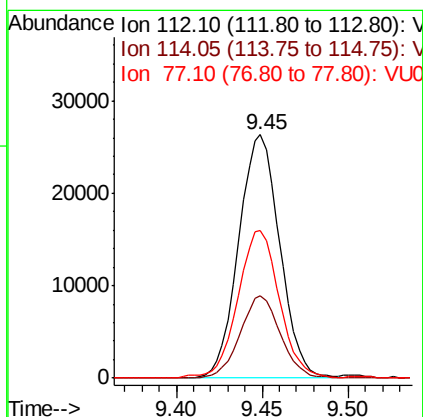
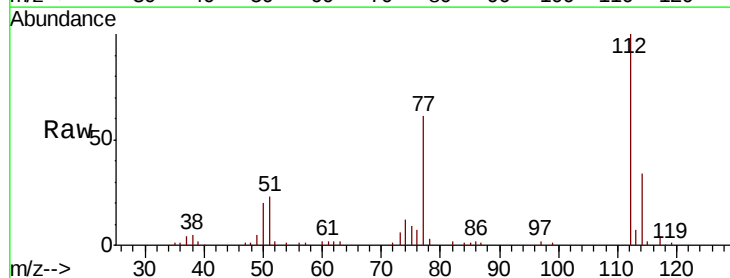
Instrument :
 MSVOA_U
 ClientSampleId :

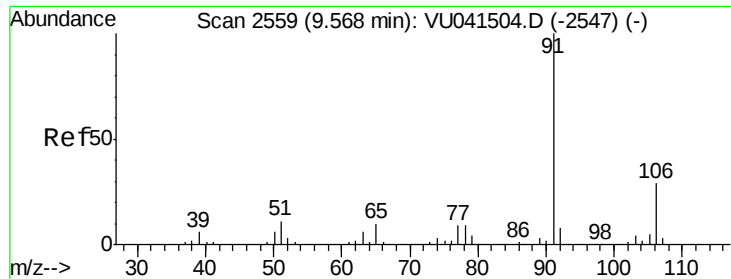
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	62.3	115.7
188	3.6	4.2	6.4



#51
 Chlorobenzene
 Concen: 4.823 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.9	22.7	42.1
77	60.8	48.2	72.2





#52

Ethylbenzene

Concen: 4.704 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

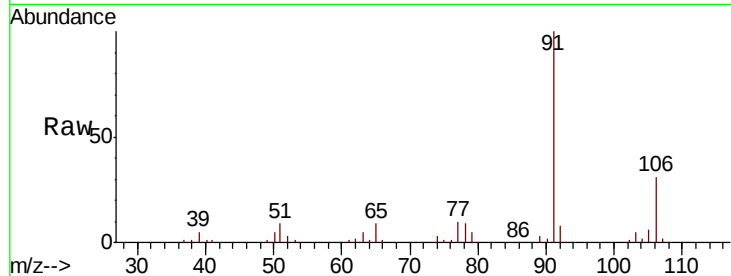
ClientSampleId :

Tot Ion: 91 Resp: 73590

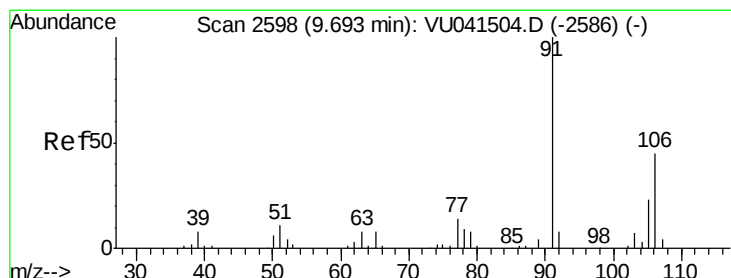
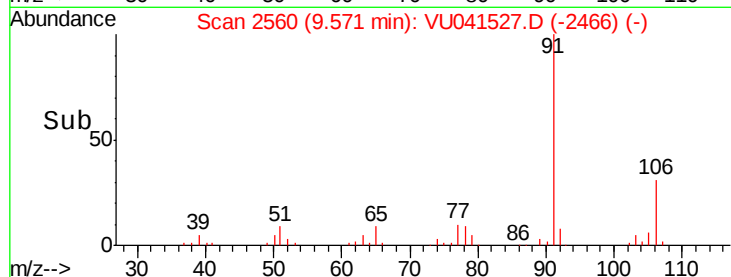
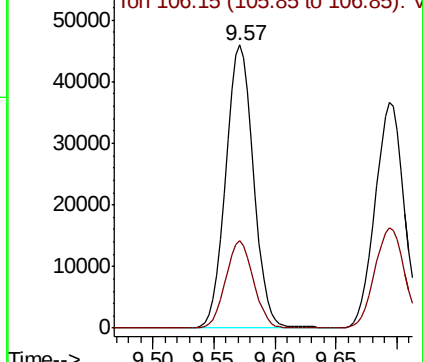
Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041504.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.852 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041527.D

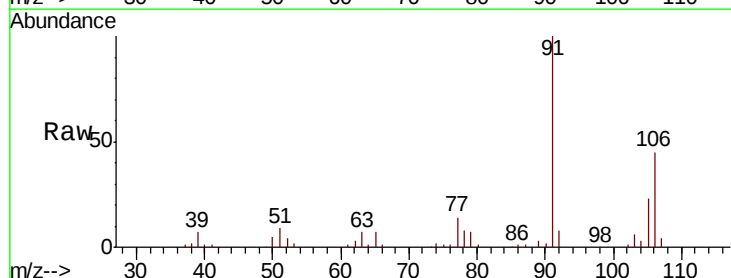
Acq: 09 Dec 2020 20:24

Tgt Ion: 106 Resp: 27554

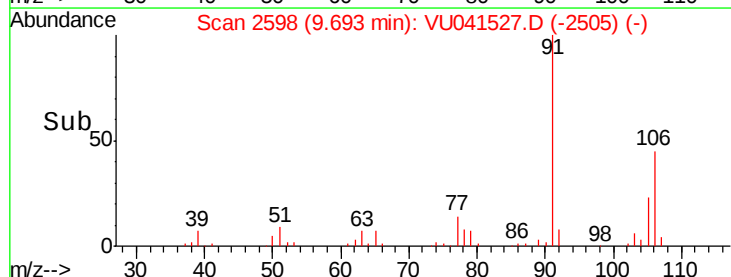
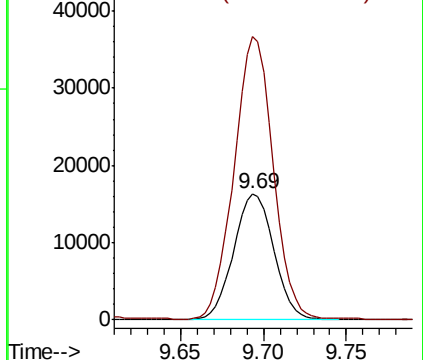
Ion Ratio Lower Upper

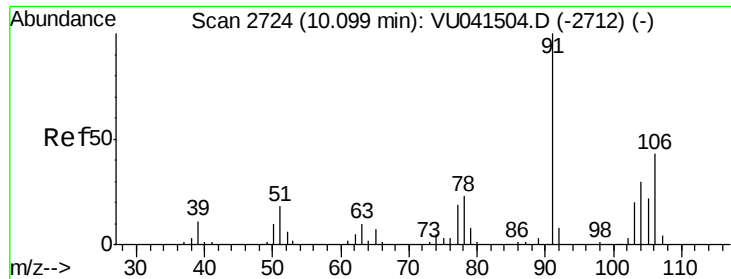
106 100

91 223.8 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041504.D (-2586) (-)

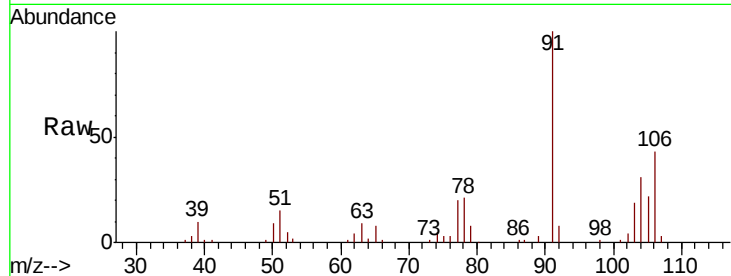




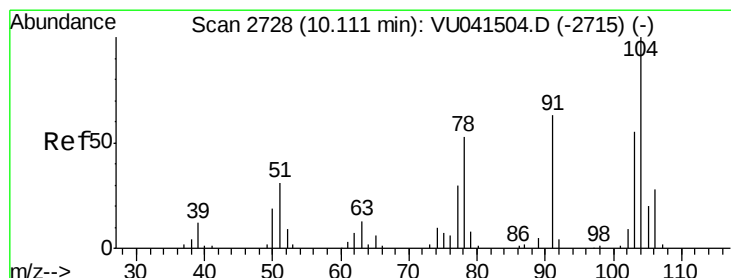
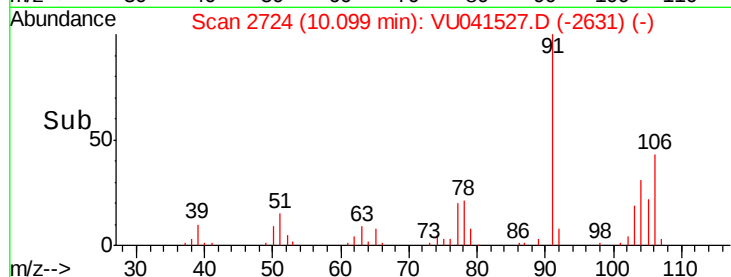
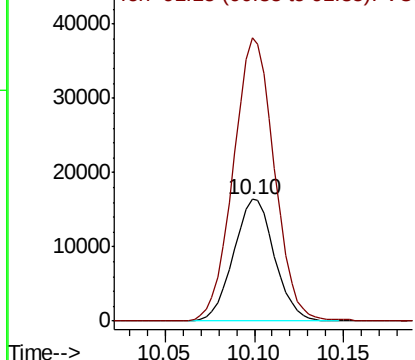
#54
o-Xylene
Concen: 4.774 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 26284
Ion Ratio Lower Upper
106 100
91 232.9 165.8 308.0

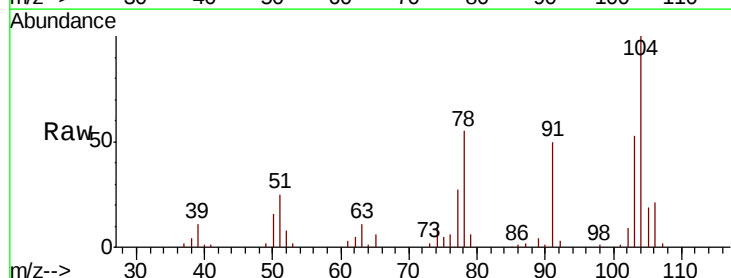


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

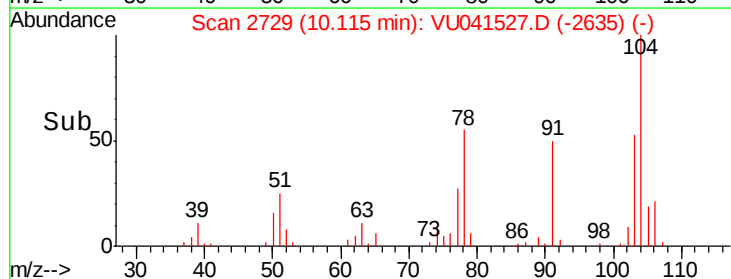
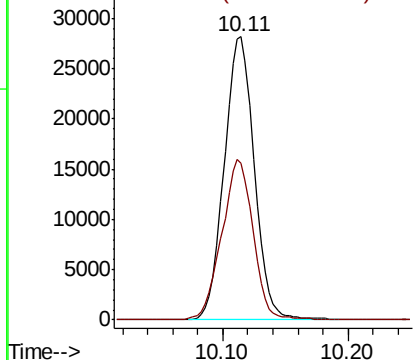


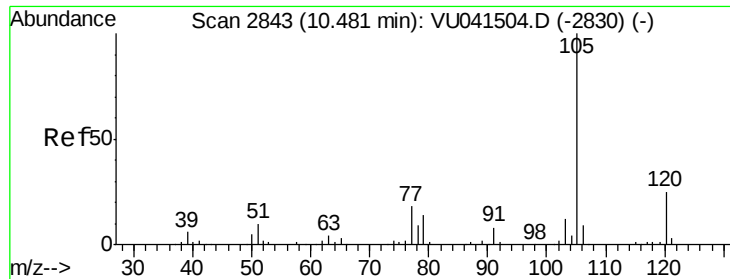
#55
Styrene
Concen: 5.012 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Tgt Ion:104 Resp: 46857
Ion Ratio Lower Upper
104 100
78 55.4 39.8 74.0



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





#56

Isopropylbenzene

Concen: 4.899 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

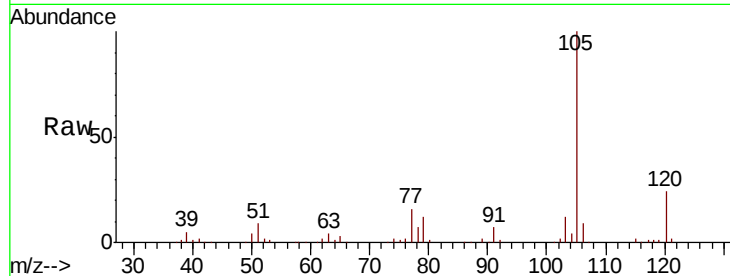
Tot Ion: 105 Resp: 76139

Ion Ratio Lower Upper

105 100

120 25.3 20.0 30.0

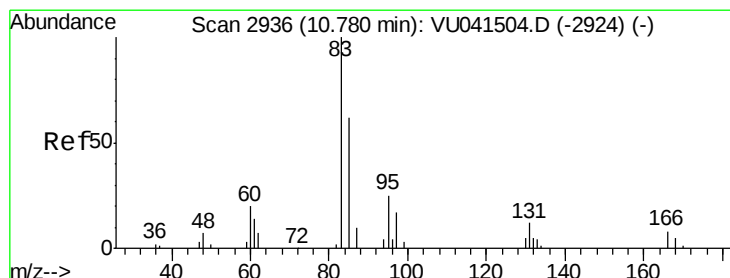
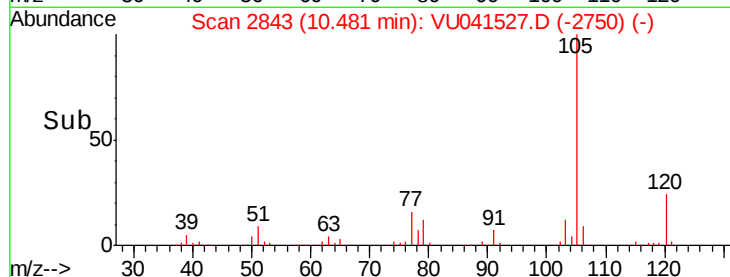
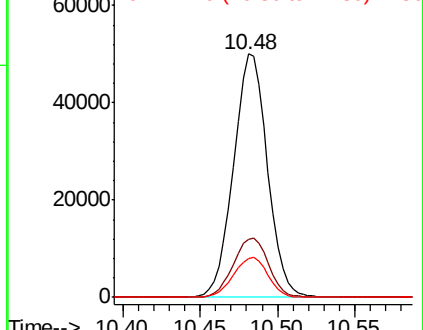
77 16.6 13.9 20.9



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: 4.214 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

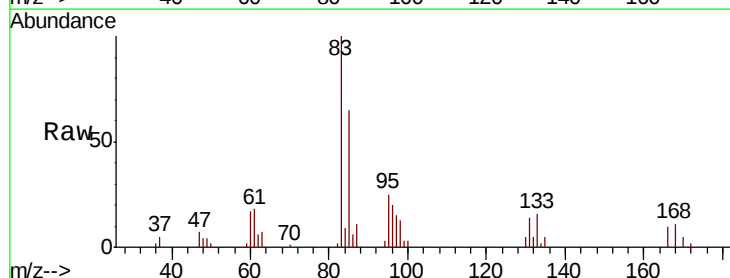
Tgt Ion: 83 Resp: 14188

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

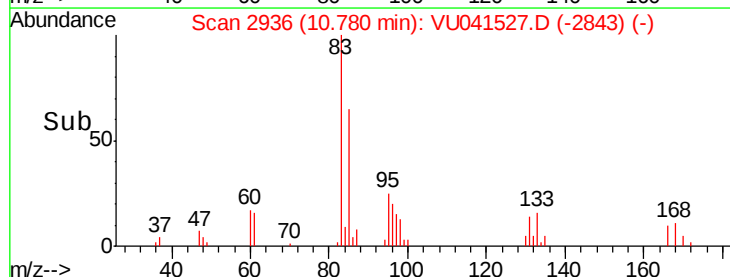
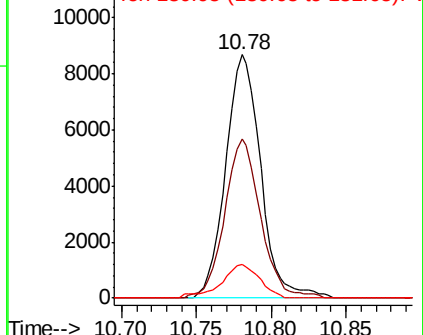
131 13.7 9.1 13.7

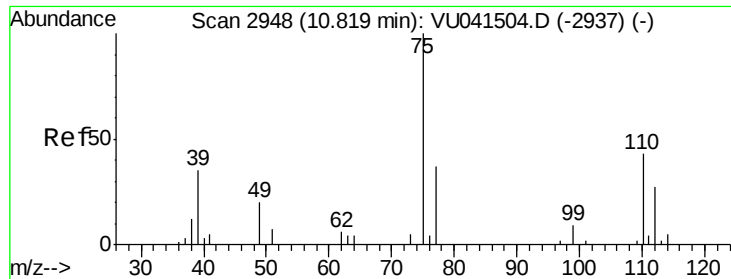


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

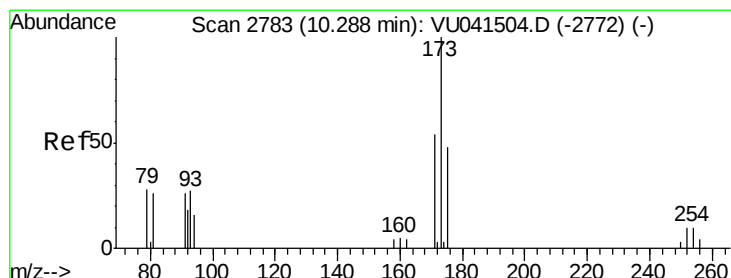
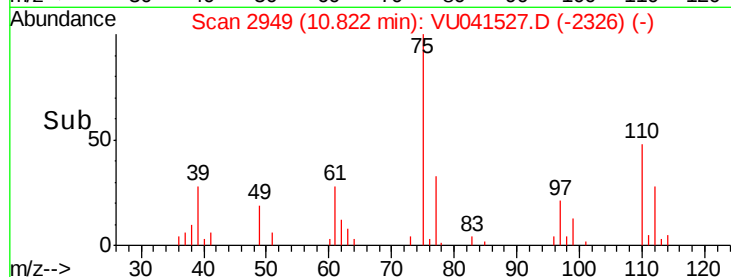
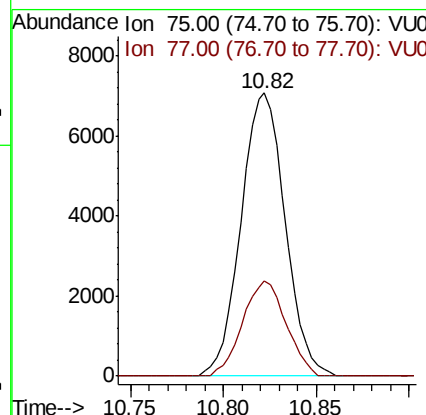
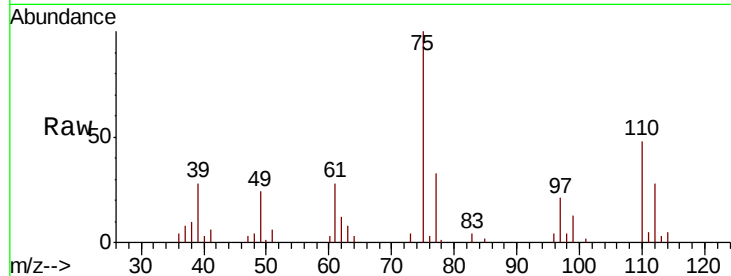




#59
 1,2,3-Trichloropropane
 Concen: 4.234 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

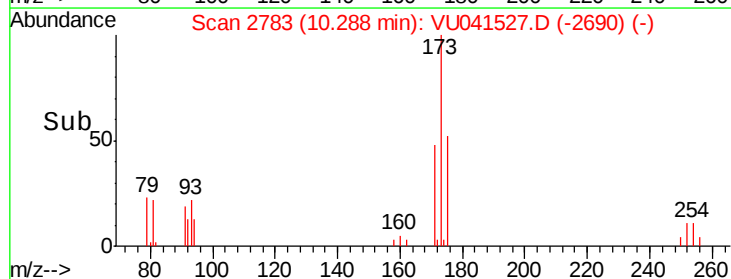
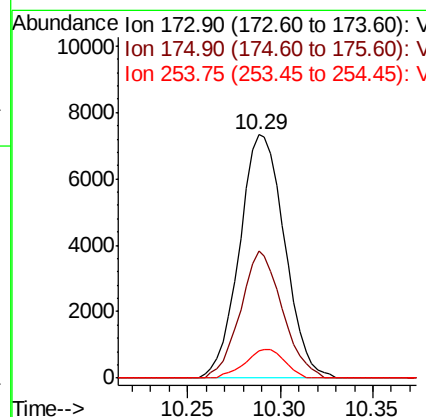
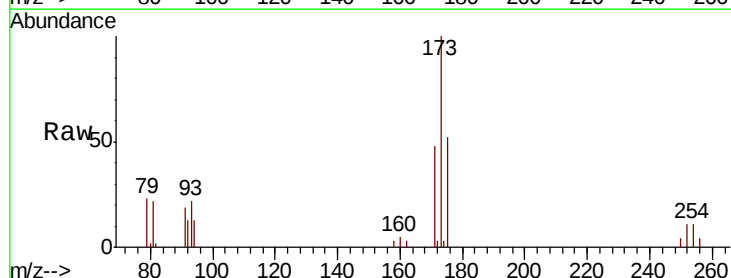
Instrument :
 MSVOA_U
 ClientSampled :

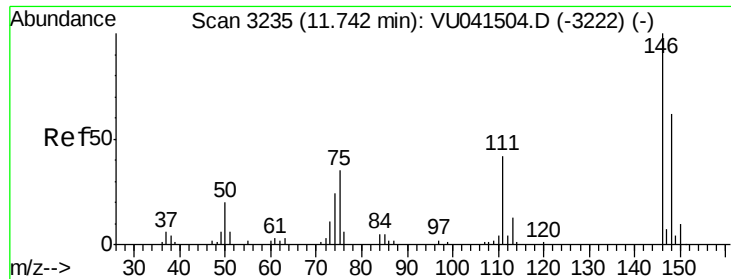
Tot Ion: 75 Resp: 11677
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.3 39.5



#61
 Bromoform
 Concen: 5.069 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion: 173 Resp: 12407
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.8 58.2
 254 10.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.908 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

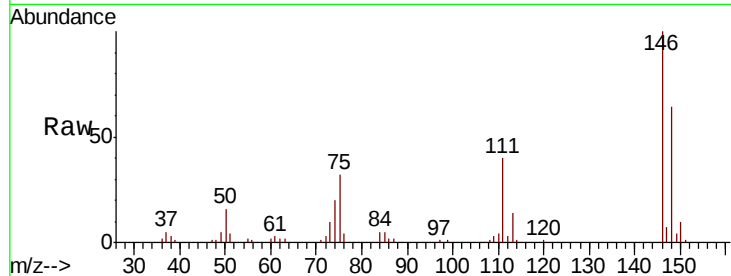
Tot Ion:146 Resp: 40289

Ion Ratio Lower Upper

146 100

111 39.6 30.2 56.0

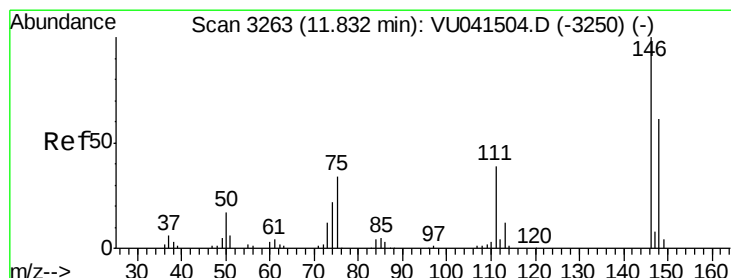
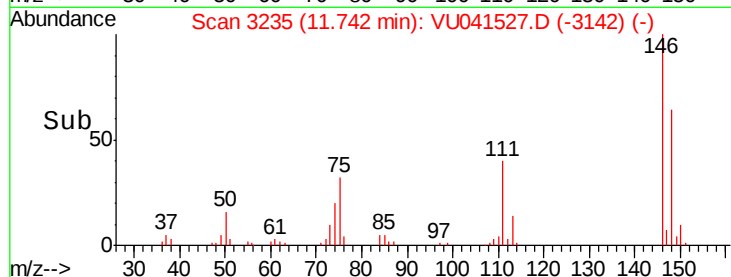
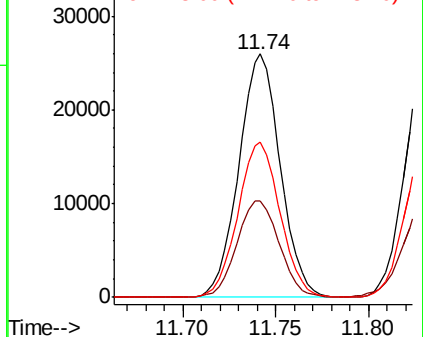
148 63.6 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 4.895 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041527.D

Acq: 09 Dec 2020 20:24

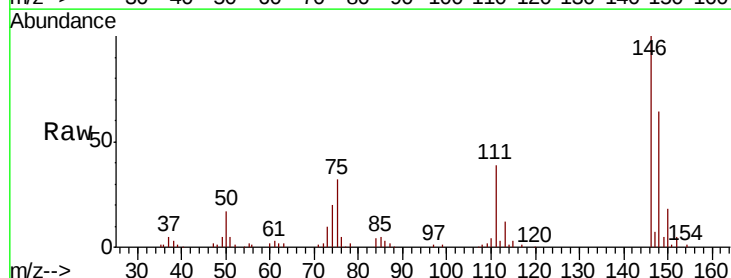
Tgt Ion:146 Resp: 41193

Ion Ratio Lower Upper

146 100

111 39.4 30.7 57.1

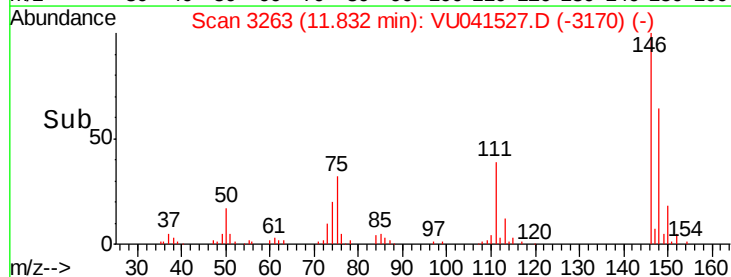
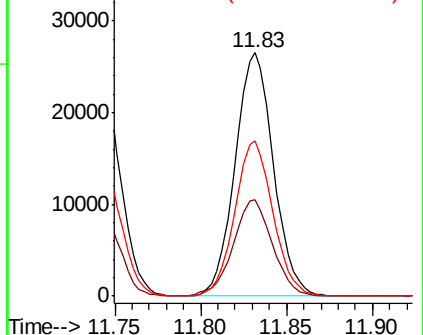
148 63.7 45.8 85.2

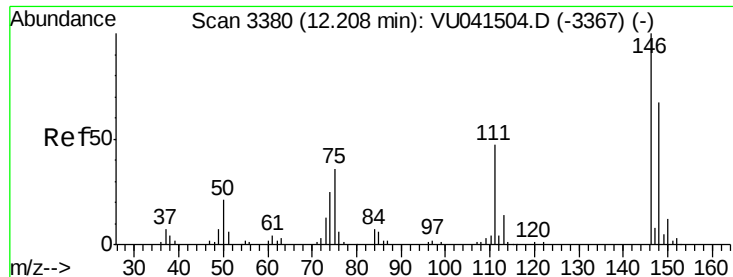


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

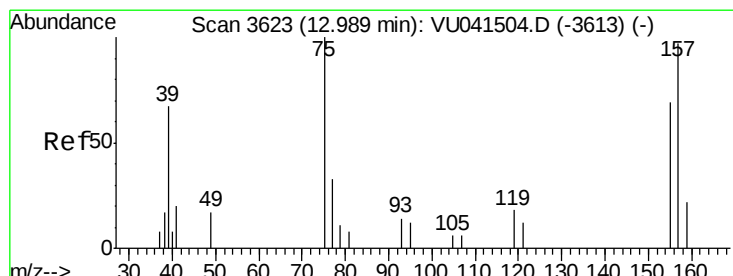
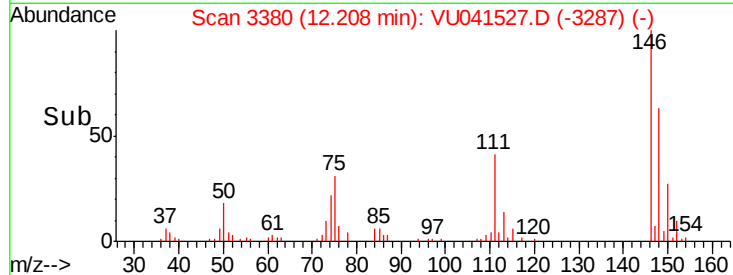
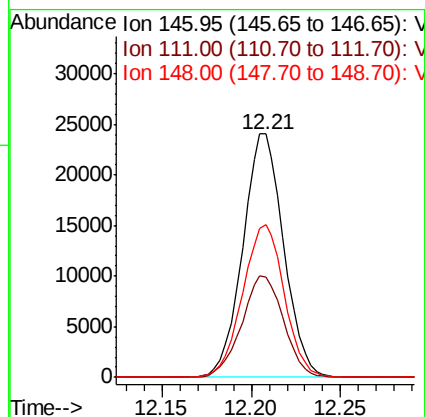
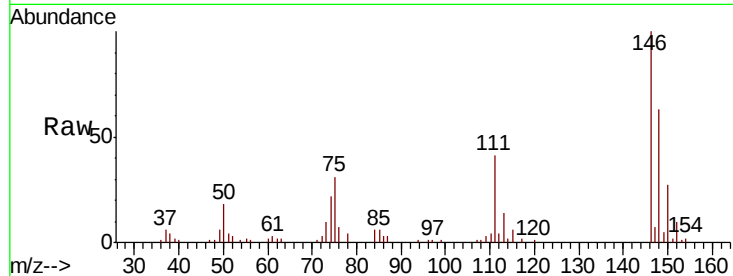




#65
 1,2-Dichlorobenzene
 Concen: 4.707 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

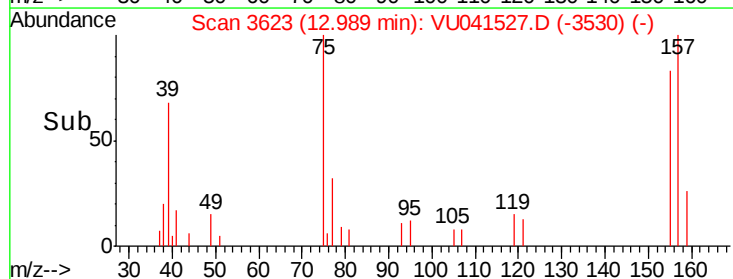
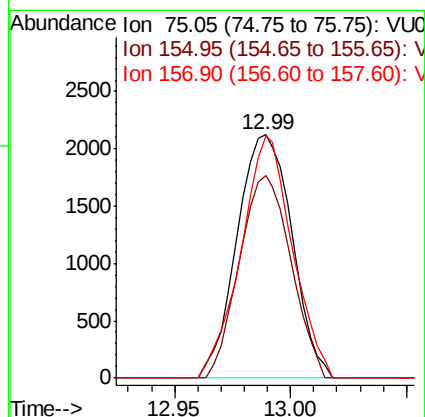
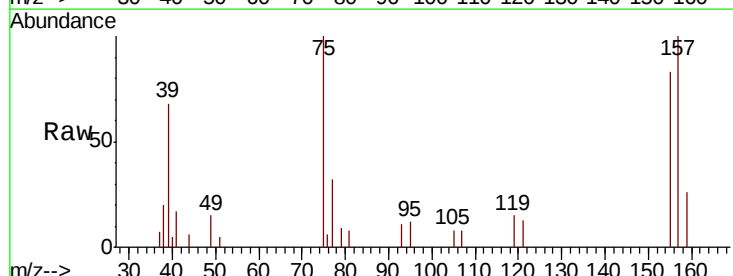
Instrument :
 MSVOA_U
 ClientSampleId :

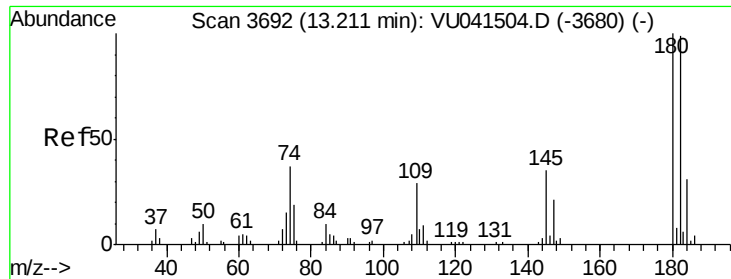
Tot Ion:146 Resp: 38256
 Ion Ratio Lower Upper
 146 100
 111 41.3 36.0 54.0
 148 62.8 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.374 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion: 75 Resp: 3482
 Ion Ratio Lower Upper
 75 100
 155 83.5 58.0 87.0
 157 99.8 77.1 115.7

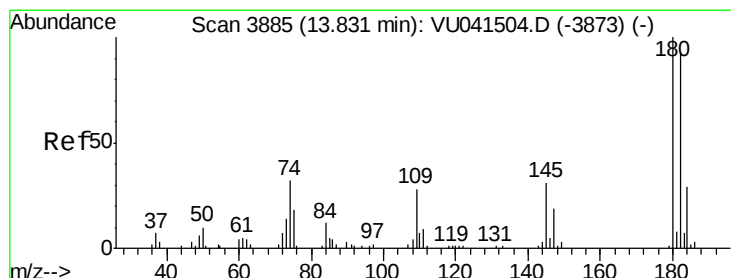
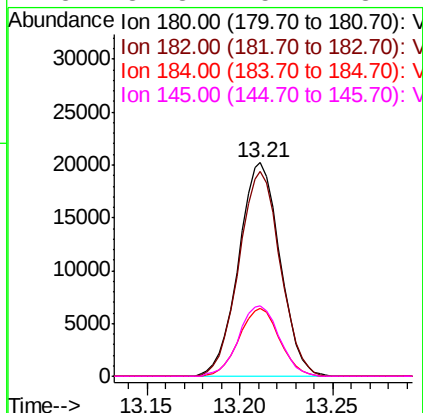
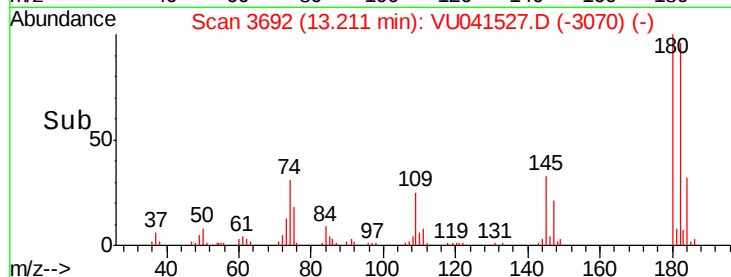
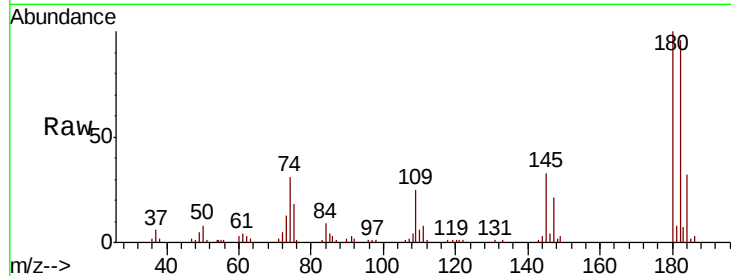




#67
 1,3,5-Trichlorobenzene
 Concen: 4.772 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

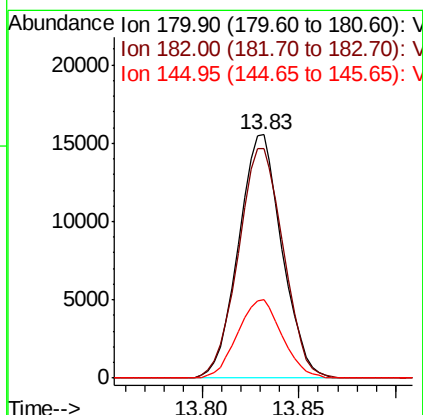
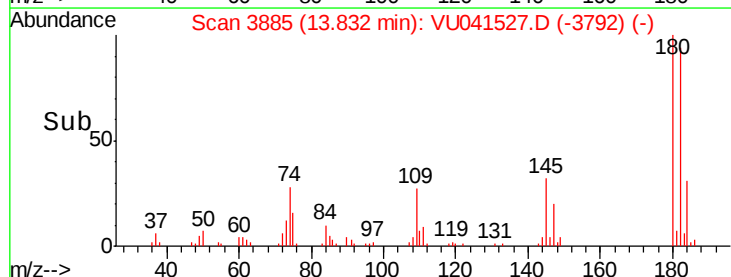
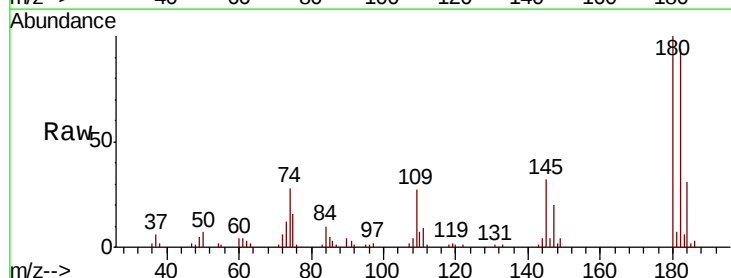
Instrument :
 MSVOA_U
 ClientSampleId :

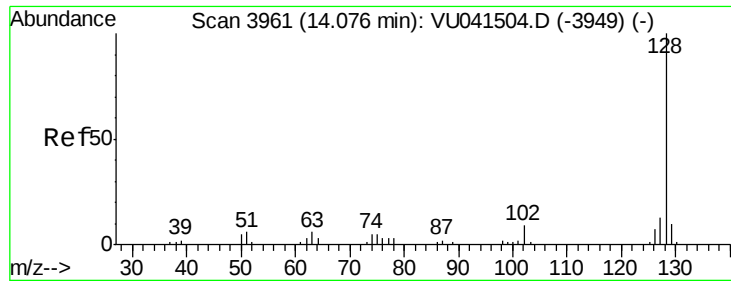
Tot Ion:180	Resp:	31302
Ion	Ratio	Lower Upper
180	100	
182	96.1	76.3 114.5
184	31.2	23.8 35.6
145	32.3	25.1 37.7



#68
 1,2,4-trichlorobenzene
 Concen: 4.636 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041527.D
 Acq: 09 Dec 2020 20:24

Tgt Ion:180	Resp:	24340
Ion	Ratio	Lower Upper
180	100	
182	97.9	77.8 116.8
145	33.0	26.4 39.6

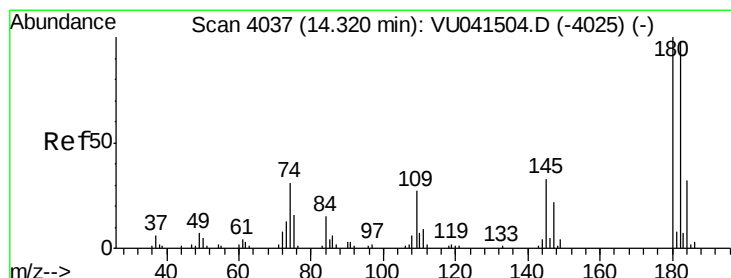
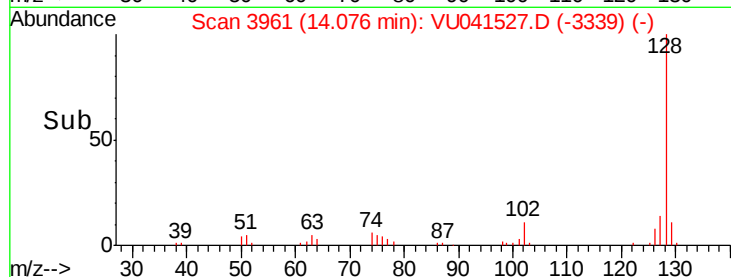
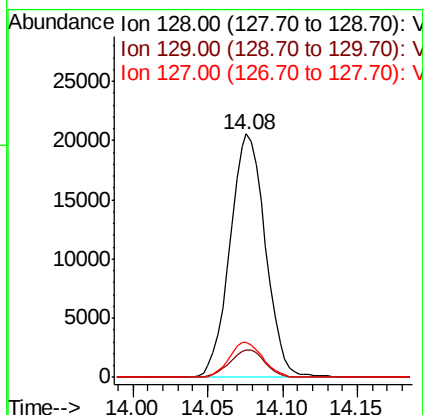
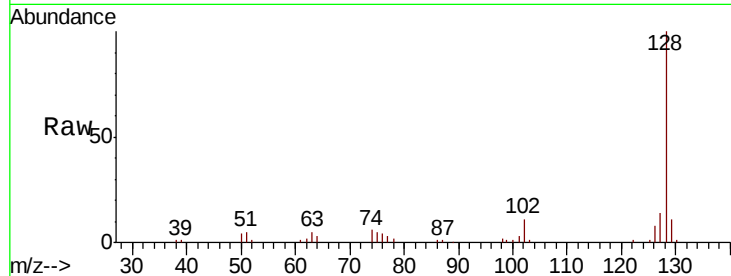




#69
Naphthalene
Concen: 4.105 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 33869
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.6 10.9 16.3



#70
1,2,3-Trichlorobenzene
Concen: 4.820 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041527.D
Acq: 09 Dec 2020 20:24

Tgt Ion:180 Resp: 22396
Ion Ratio Lower Upper
180 100
182 94.0 79.1 118.7
145 34.2 27.8 41.8

