

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046310.D
 Acq On : 13 Dec 2021 13:15
 Operator : SY/MD
 Sample : M4971-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

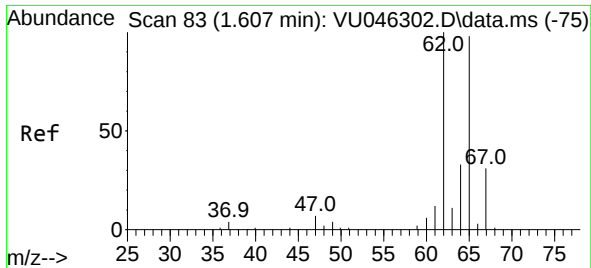
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:34:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	143443	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	152944	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76240	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	62954	53.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.560%
7) Chloroethane-d5	1.919	69	46360	51.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.200%
11) 1,1-Dichloroethene-d2	2.572	63	81234	38.296	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.600%
21) 2-Butanone-d5	4.642	46	87788	93.459	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.460%
24) Chloroform-d	5.067	84	98198	49.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.540%
26) 1,2-Dichloroethane-d4	5.707	65	68791	51.947	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.900%
32) Benzene-d6	5.732	84	206030	47.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.694	67	63595	46.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.620%
41) Toluene-d8	7.899	98	176848	44.308	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.620%
43) trans-1,3-Dichloroprop...	8.182	79	30095	45.889	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.780%
47) 2-Hexanone-d5	8.636	63	60318	93.640	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.640%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99013	48.057	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.120%
66) 1,2-Dichlorobenzene-d4	12.195	152	69880	47.594	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.180%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	2911	2.068	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	649	0.622	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	537	0.541	ug/L #	1
20) cis-1,2-Dichloroethene	4.674	96	5200	4.566	ug/L	97
27) 1,2-Dichloroethane	5.729	62	1254	0.797	ug/L #	73
35) Methylcyclohexane	6.694	83	15962	8.442	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7076	5.835	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1830	0.992	ug/L #	60
44) trans-1,3-Dichloropropene	8.176	75	1305	0.720	ug/L	88
60) 1,2,3-Trichloropropane	11.812	75	9594	5.741	ug/L #	64

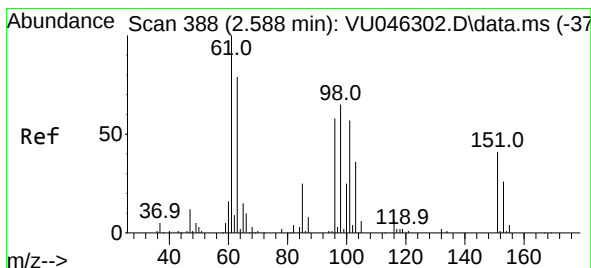
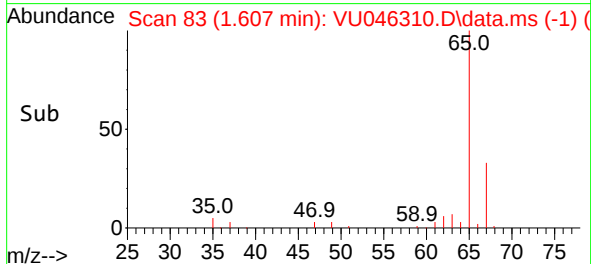
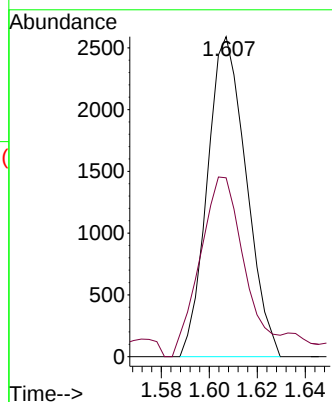
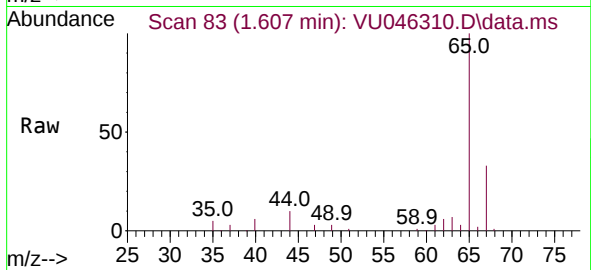
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 2.068 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046310.D
 Acq: 13 Dec 2021 13:15

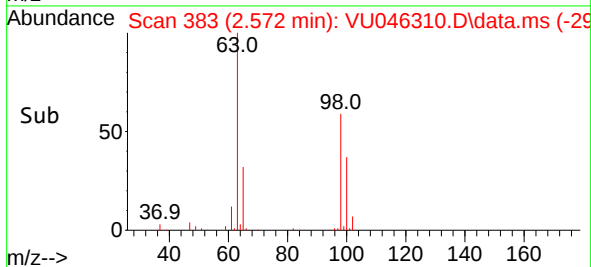
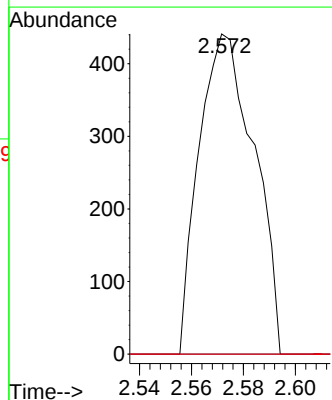
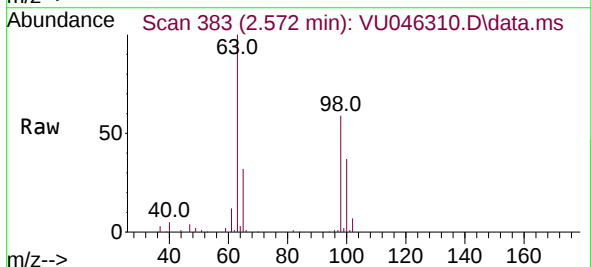
Instrument :
 MSVOA_W
 ClientSampleId :

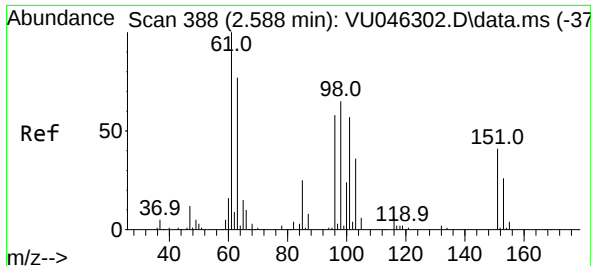
Tgt Ion: 62 Resp: 2911
 Ion Ratio Lower Upper
 62 100
 64 55.9 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.622 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046310.D
 Acq: 13 Dec 2021 13:15

Tgt Ion: 101 Resp: 649
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.541 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046310.D

Acq: 13 Dec 2021 13:15

Instrument :

MSVOA_W

ClientSampleId :

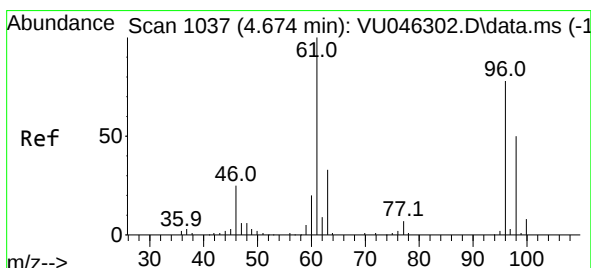
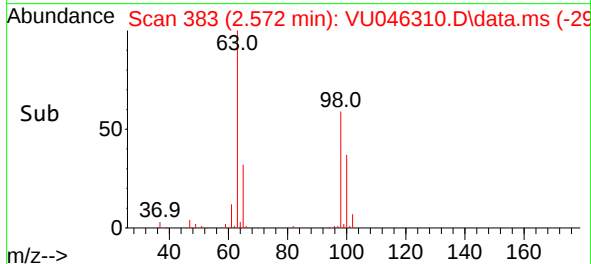
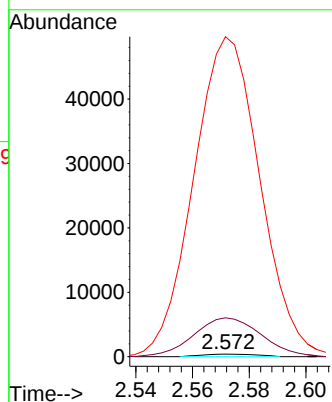
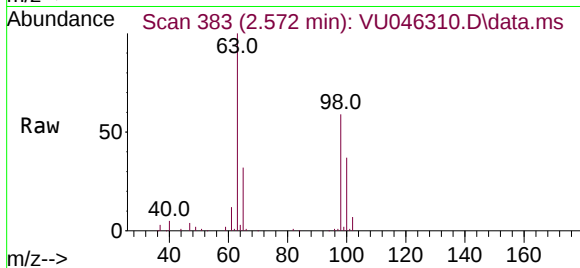
Tgt Ion: 96 Resp: 537

Ion Ratio Lower Upper

96 100

61 1543.1 118.6 220.2#

63 12677.6 93.0 172.8#



#20

cis-1,2-Dichloroethene

Concen: 4.566 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VU046310.D

Acq: 13 Dec 2021 13:15

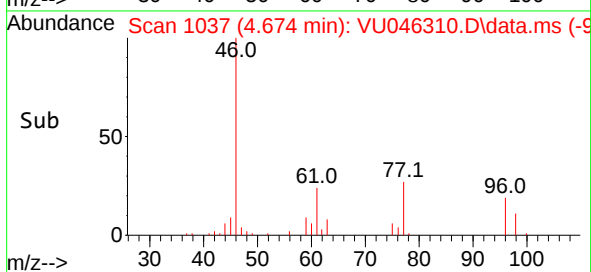
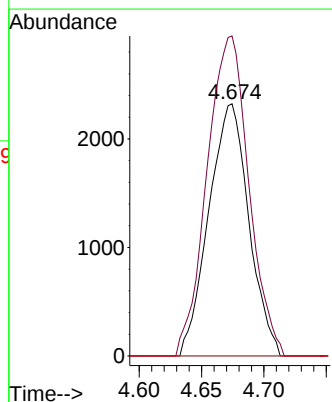
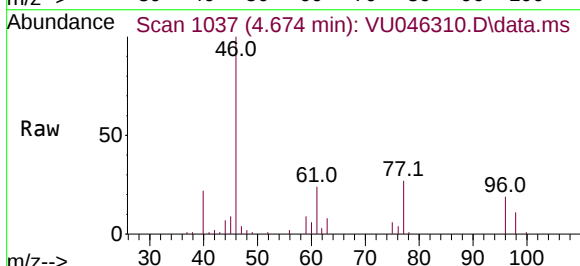
Tgt Ion: 96 Resp: 5200

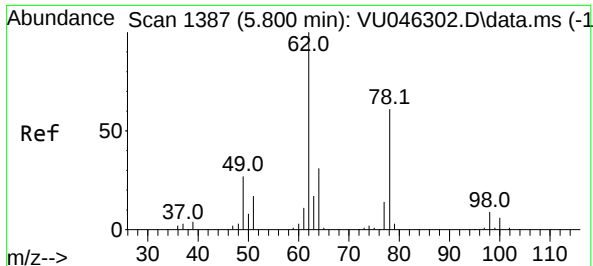
Ion Ratio Lower Upper

96 100

61 126.9 86.8 161.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.797 ug/L

RT: 5.729 min Scan# 11

Delta R.T. -0.071 min

Lab File: VU046310.D

Acq: 13 Dec 2021 13:15

Instrument :

MSVOA_W

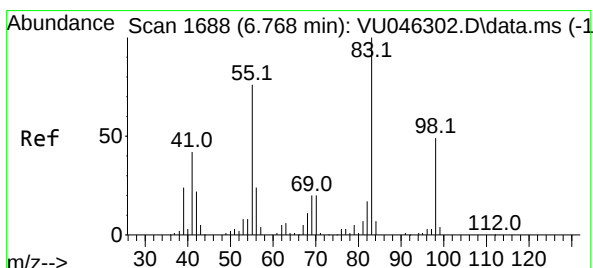
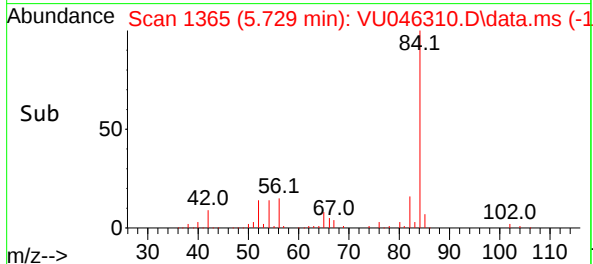
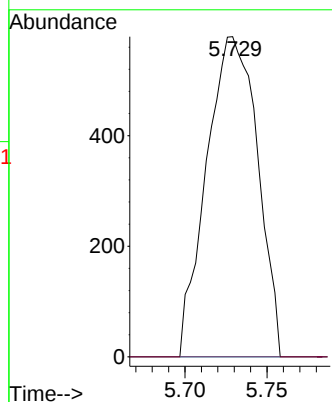
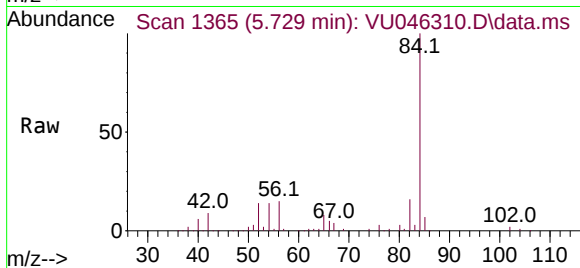
ClientSampleId :

Tgt Ion: 62 Resp: 1254

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 8.442 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046310.D

Acq: 13 Dec 2021 13:15

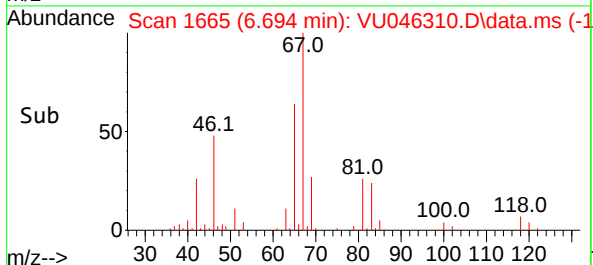
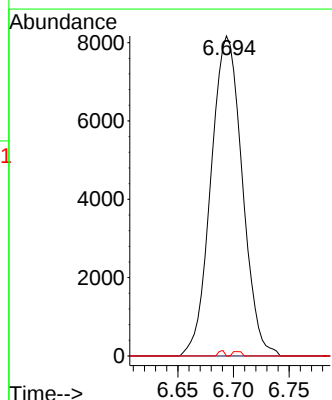
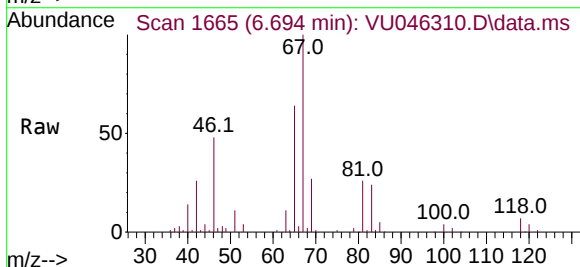
Tgt Ion: 83 Resp: 15962

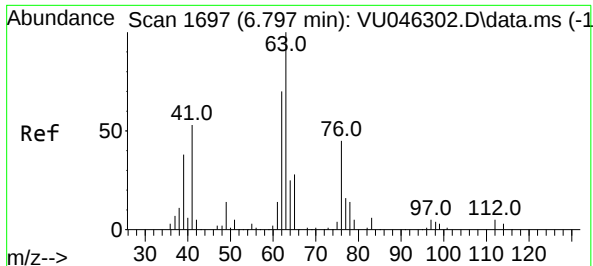
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.835 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046310.D

Acq: 13 Dec 2021 13:15

Instrument :

MSVOA_W

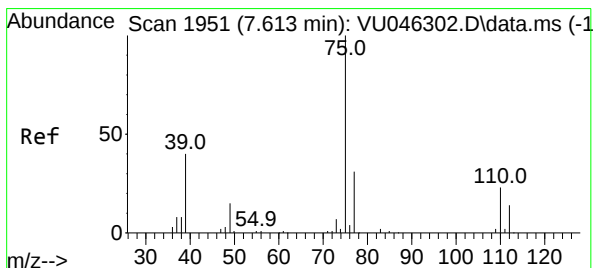
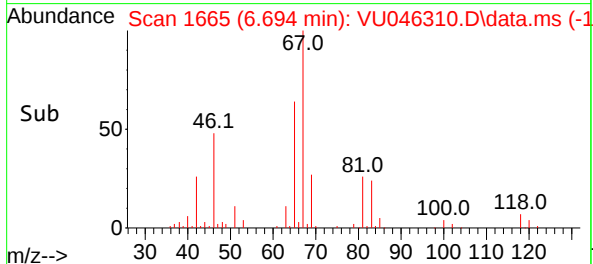
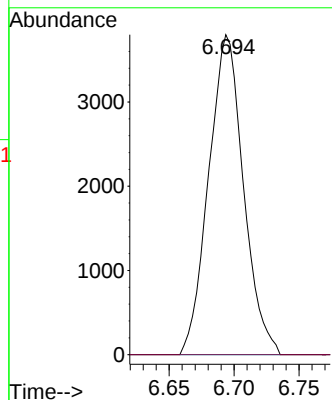
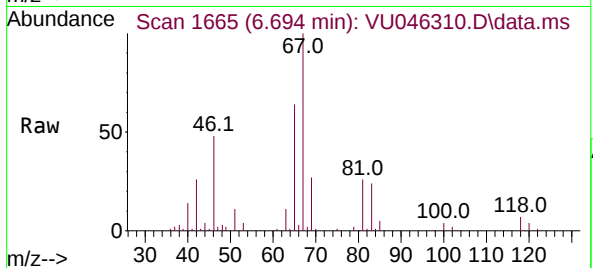
ClientSampleId :

Tgt Ion: 63 Resp: 7076

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.992 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046310.D

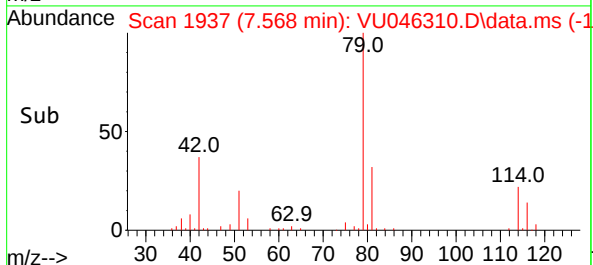
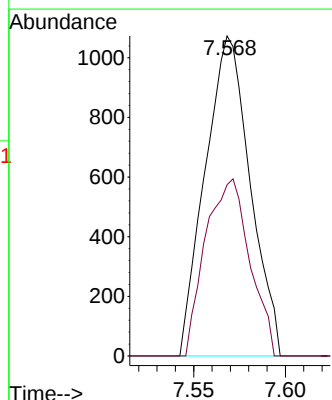
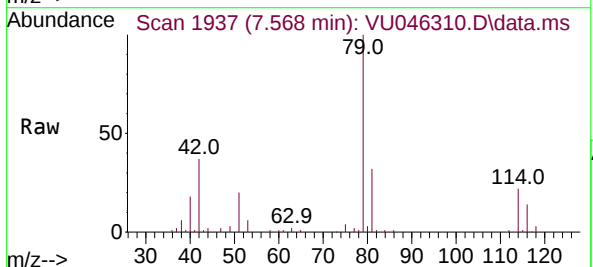
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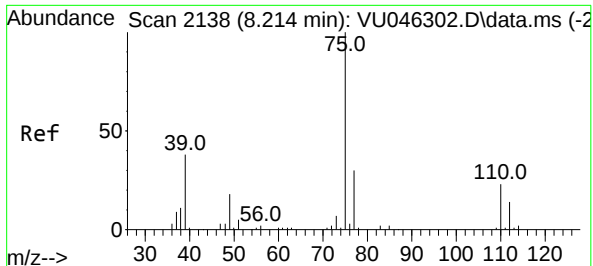
Tgt Ion: 75 Resp: 1830

Ion Ratio Lower Upper

75 100

77 53.5 21.8 40.6#

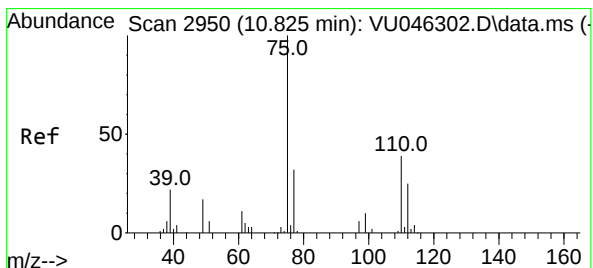
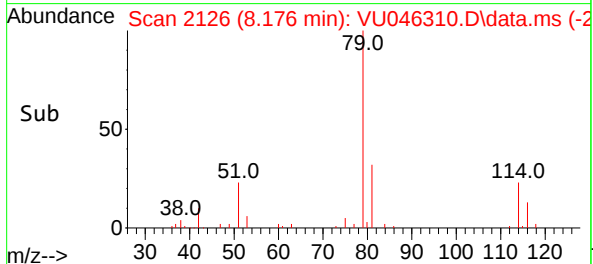
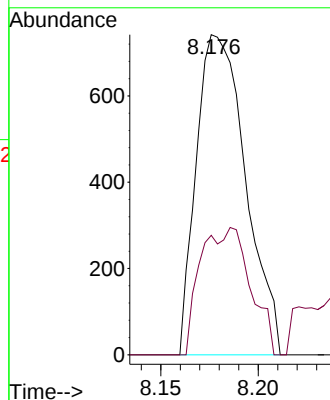
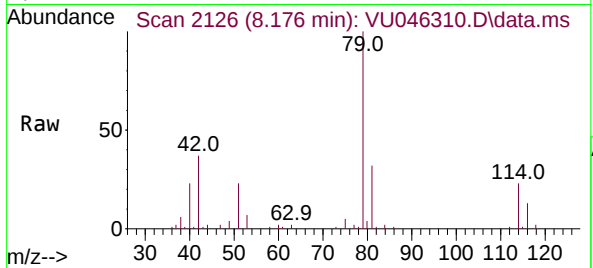




#44
 trans-1,3-Dichloropropene
 Concen: 0.720 ug/L
 RT: 8.176 min Scan# 2138
 Delta R.T. -0.039 min
 Lab File: VU046310.D
 Acq: 13 Dec 2021 13:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 75 Resp: 1305
 Ion Ratio Lower Upper
 75 100
 77 37.3 21.7 40.3



#60
 1,2,3-Trichloropropane
 Concen: 5.741 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.987 min
 Lab File: VU046310.D
 Acq: 13 Dec 2021 13:15

Tgt Ion: 75 Resp: 9594
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.4 39.6
 110 1.8 32.4 48.6#

