

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092922\
 Data File : VU050995.D
 Acq On : 29 Sep 2022 21:37
 Operator : JC/MD
 Sample : N4869-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 01:52:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:30:03 2022
 Response via : Initial Calibration

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

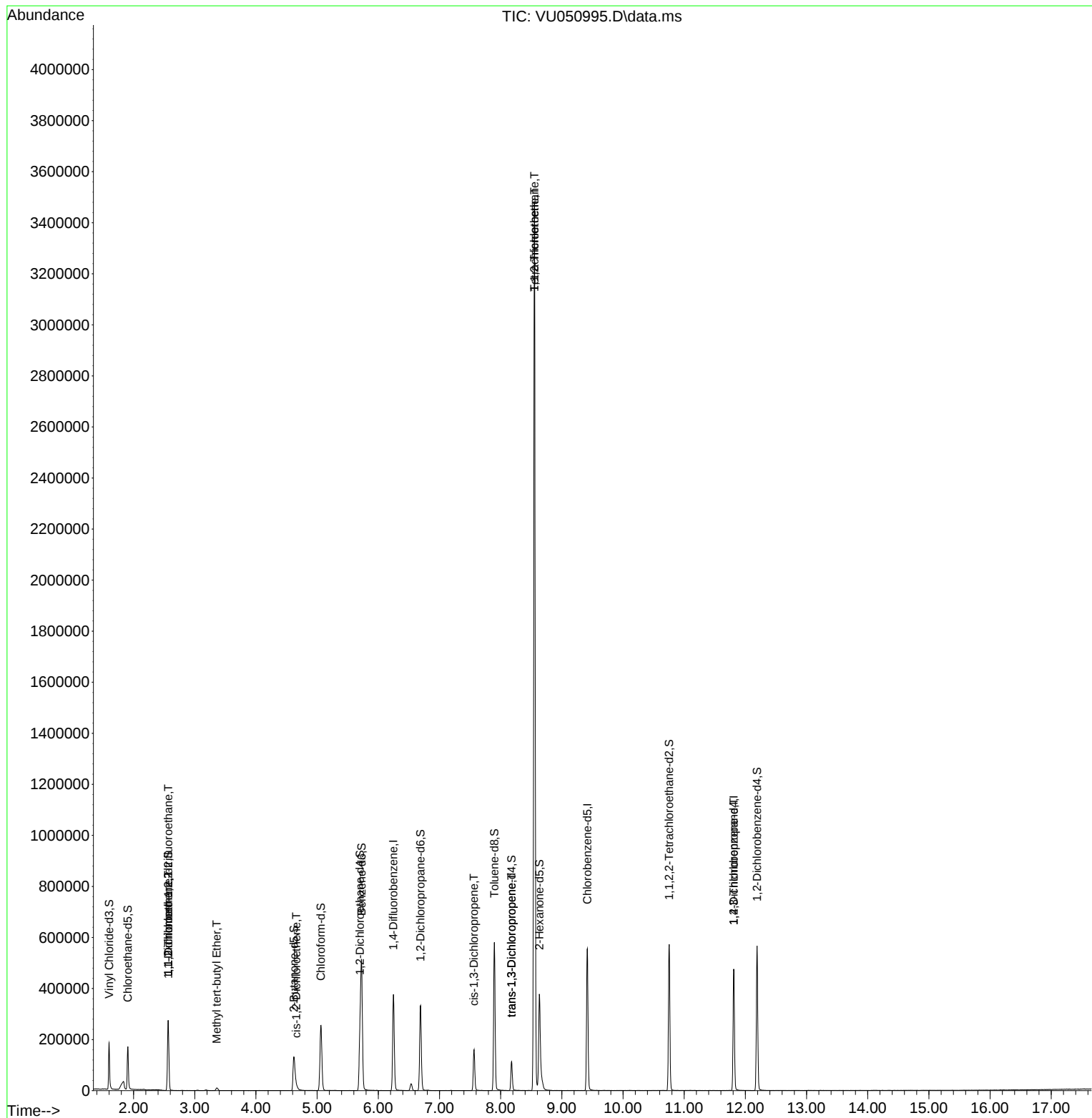
Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	300241	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	311961	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125509	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	137267	45.112	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.220%
7) Chloroethane-d5	1.906	69	124485	44.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.080%
11) 1,1-Dichloroethene-d2	2.565	63	161310	35.889	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.780%
21) 2-Butanone-d5	4.620	46	190747	96.654	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.650%
24) Chloroform-d	5.060	84	237682	48.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
26) 1,2-Dichloroethane-d4	5.700	65	151704	49.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.000%
32) Benzene-d6	5.726	84	473541	51.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.680%
36) 1,2-Dichloropropane-d6	6.690	67	158482	53.463	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.920%
41) Toluene-d8	7.896	98	390326	46.245	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
43) trans-1,3-Dichloroprop...	8.179	79	62597	44.272	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.540%
47) 2-Hexanone-d5	8.632	63	110570	92.376	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.380%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	288998	55.783	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.560%
66) 1,2-Dichlorobenzene-d4	12.192	152	144215	53.787	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.580%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1795	0.783	ug/L #	20
12) 1,1-Dichloroethene	2.568	96	1406	0.657	ug/L #	1
18) Methyl tert-butyl Ether	3.359	73	10983	1.587	ug/L #	83
20) cis-1,2-Dichloroethene	4.658	96	2582	1.015	ug/L	86
39) cis-1,3-Dichloropropene	7.562	75	3471	0.957	ug/L #	66
44) trans-1,3-Dichloropropene	8.179	75	2993	0.816	ug/L	87
45) 1,1,2-Trichloroethane	8.552	97	6028	2.173	ug/L #	1
46) Tetrachloroethene	8.552	164	733885	393.122	ug/L	98
60) 1,2,3-Trichloropropane	11.809	75	16062	4.863	ug/L #	66

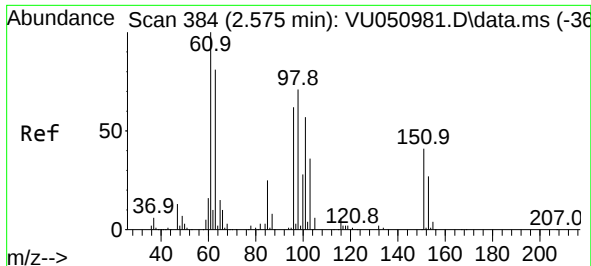
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.783 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.010 min

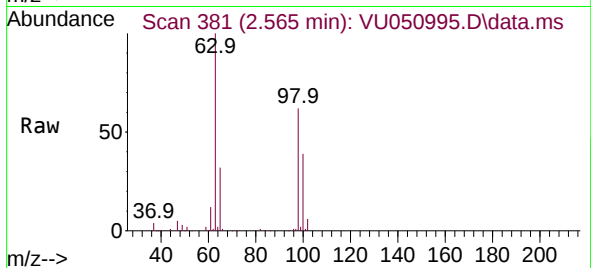
Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

Instrument :

MSVOA_U

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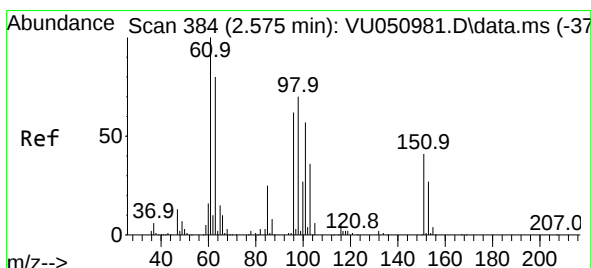
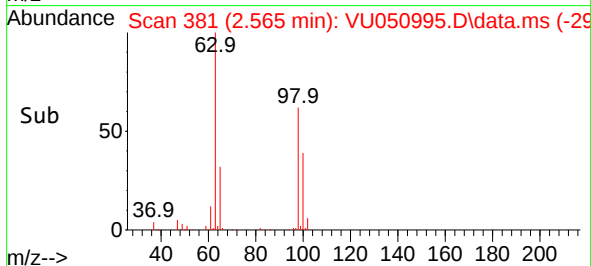
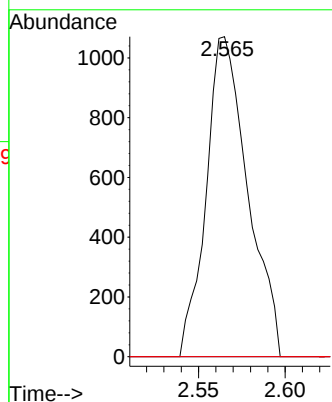
Tgt Ion:101 Resp: 1795

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.657 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.007 min

Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

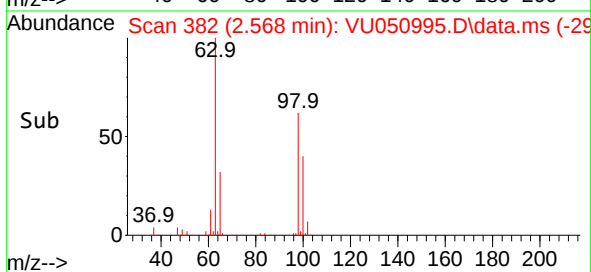
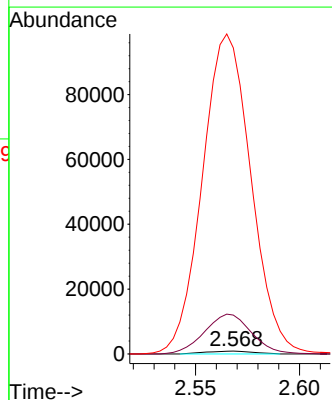
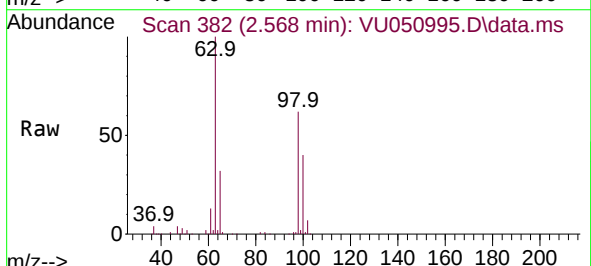
Tgt Ion: 96 Resp: 1406

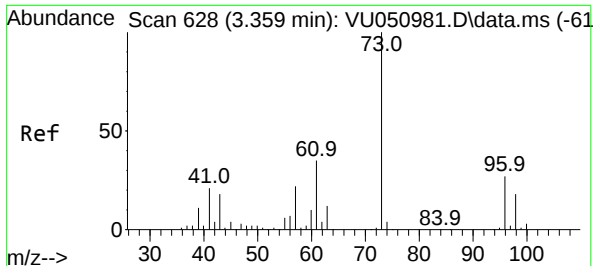
Ion Ratio Lower Upper

96 100

61 1370.3 113.0 209.9#

63 10785.8 91.7 170.3#





#18

Methyl tert-butyl Ether

Concen: 1.587 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

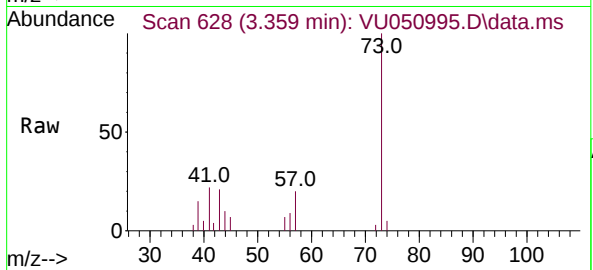
Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

Instrument :

MSVOA_U

ClientSampleId :



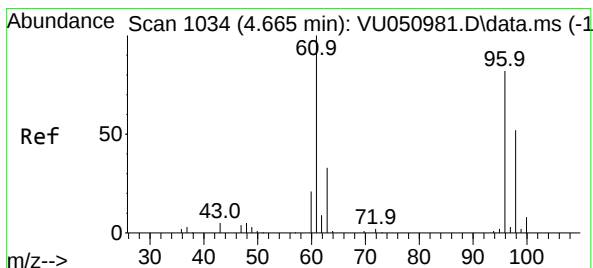
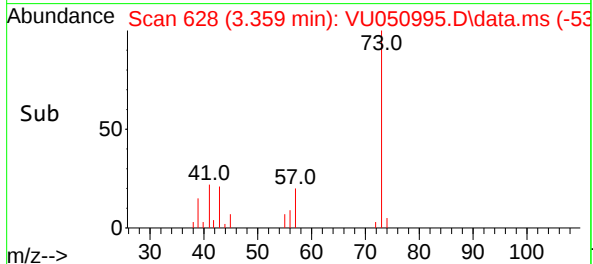
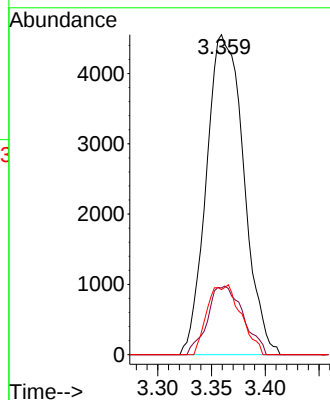
Tgt Ion: 73 Resp: 10983

Ion Ratio Lower Upper

73 100

43 20.5 14.7 22.1

57 9.2 17.5 26.3#



#20

cis-1,2-Dichloroethene

Concen: 1.015 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.007 min

Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

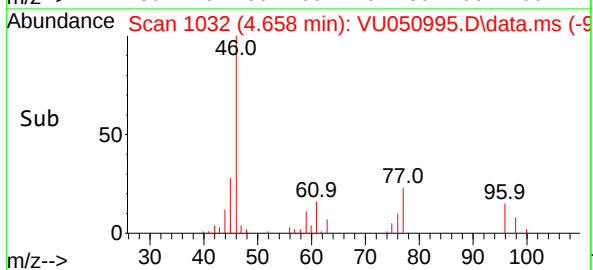
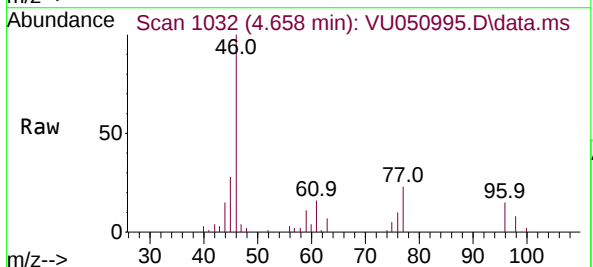
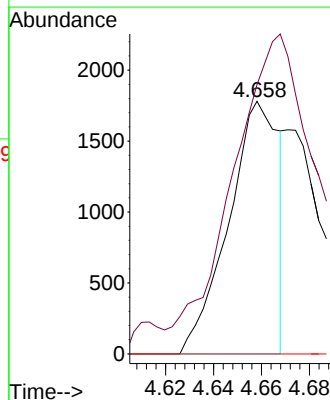
Tgt Ion: 96 Resp: 2582

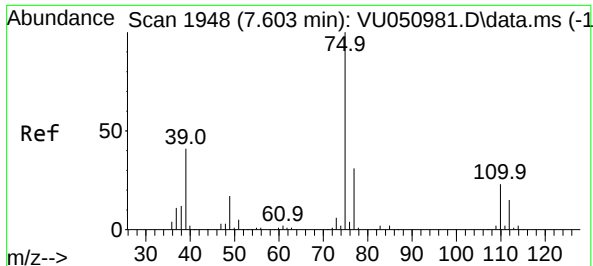
Ion Ratio Lower Upper

96 100

61 106.6 85.4 158.6

68 0.0 0.0 0.0





#39

cis-1,3-Dichloropropene

Concen: 0.957 ug/L

RT: 7.562 min Scan# 1948

Delta R.T. -0.042 min

Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

Instrument :

MSVOA_U

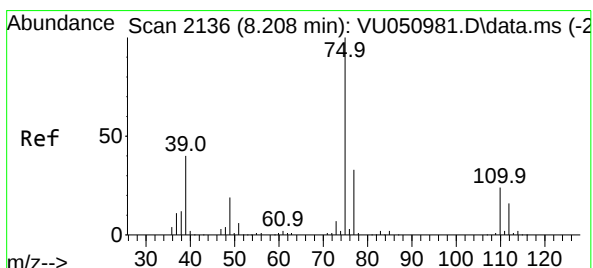
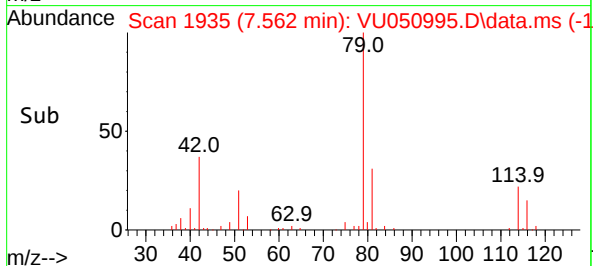
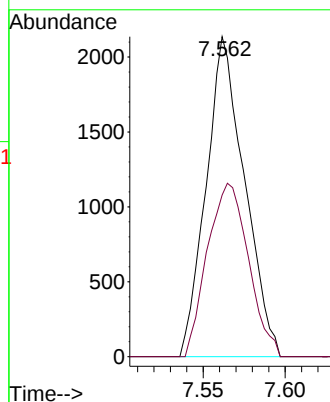
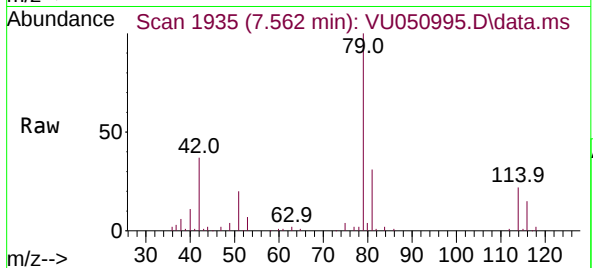
ClientSampleId :

Tgt Ion: 75 Resp: 3471

Ion Ratio Lower Upper

75 100

77 50.5 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.816 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050995.D

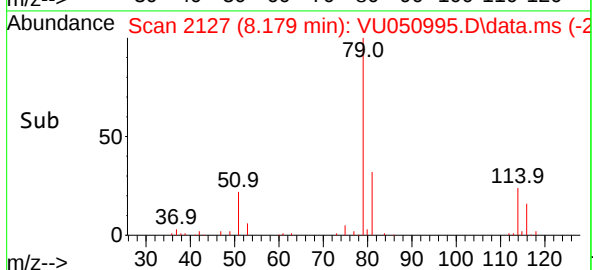
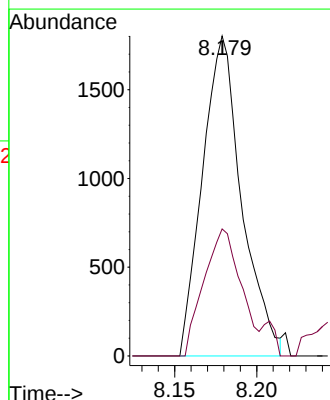
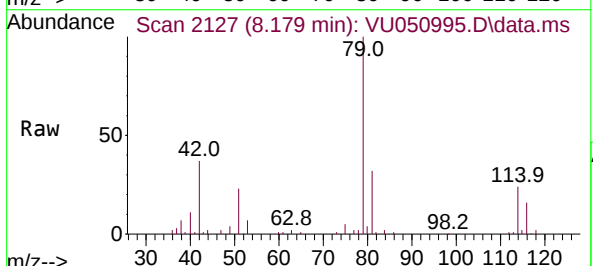
Acq: 29 Sep 2022 21:37

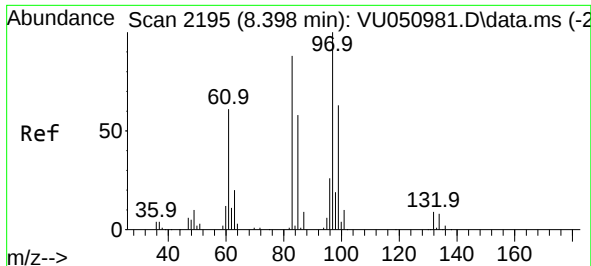
Tgt Ion: 75 Resp: 2993

Ion Ratio Lower Upper

75 100

77 39.7 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 2.173 ug/L

RT: 8.552 min Scan# 2195

Delta R.T. 0.154 min

Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 6028

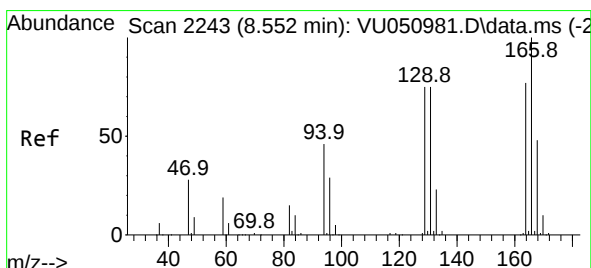
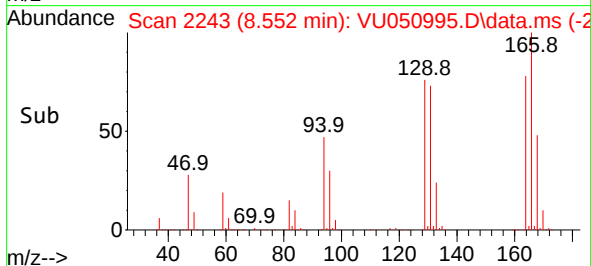
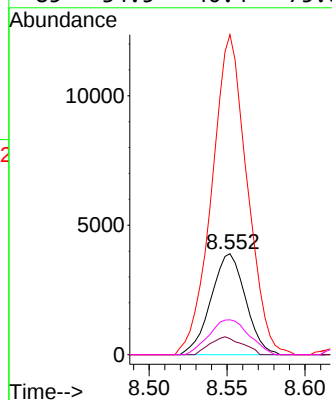
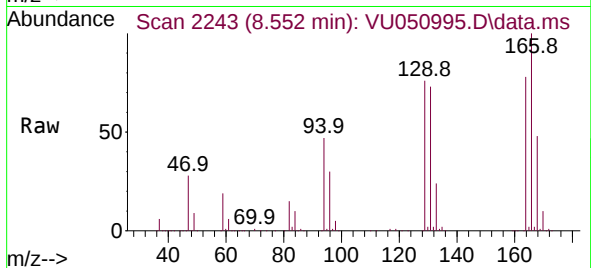
Ion Ratio Lower Upper

97 100

99 15.9 44.4 82.4#

83 316.7 61.7 114.5#

85 34.5 40.4 75.0#



#46

Tetrachloroethene

Concen: 393.122 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU050995.D

Acq: 29 Sep 2022 21:37

Tgt Ion:164 Resp: 733885

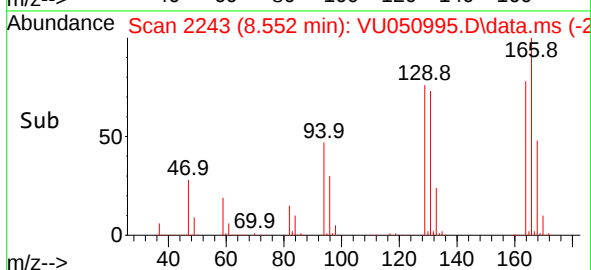
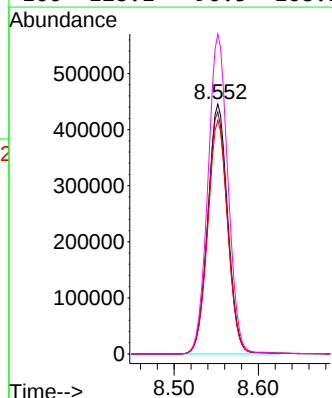
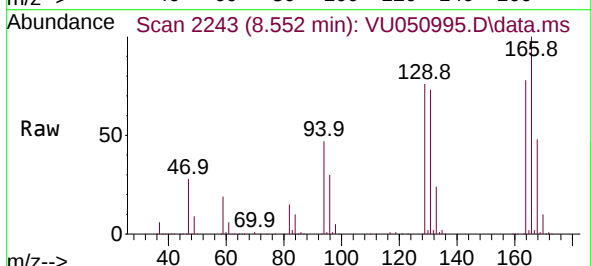
Ion Ratio Lower Upper

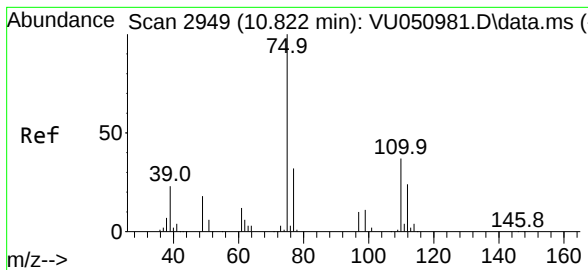
164 100

129 96.9 68.1 126.5

131 93.5 67.8 126.0

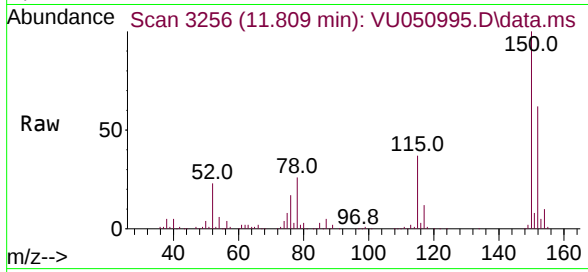
166 128.1 90.5 168.1





#60
 1,2,3-Trichloropropane
 Concen: 4.863 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU050995.D
 Acq: 29 Sep 2022 21:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	16062
Ion	Ratio	Lower	Upper
75	100		
77	29.3	26.1	39.1
110	2.1	30.0	45.0#

