

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051167.D
 Acq On : 06 Oct 2022 13:23
 Operator : JC/MD
 Sample : N4893-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J38

Quant Time: Oct 07 01:31:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 01:29:24 2022
 Response via : Initial Calibration

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

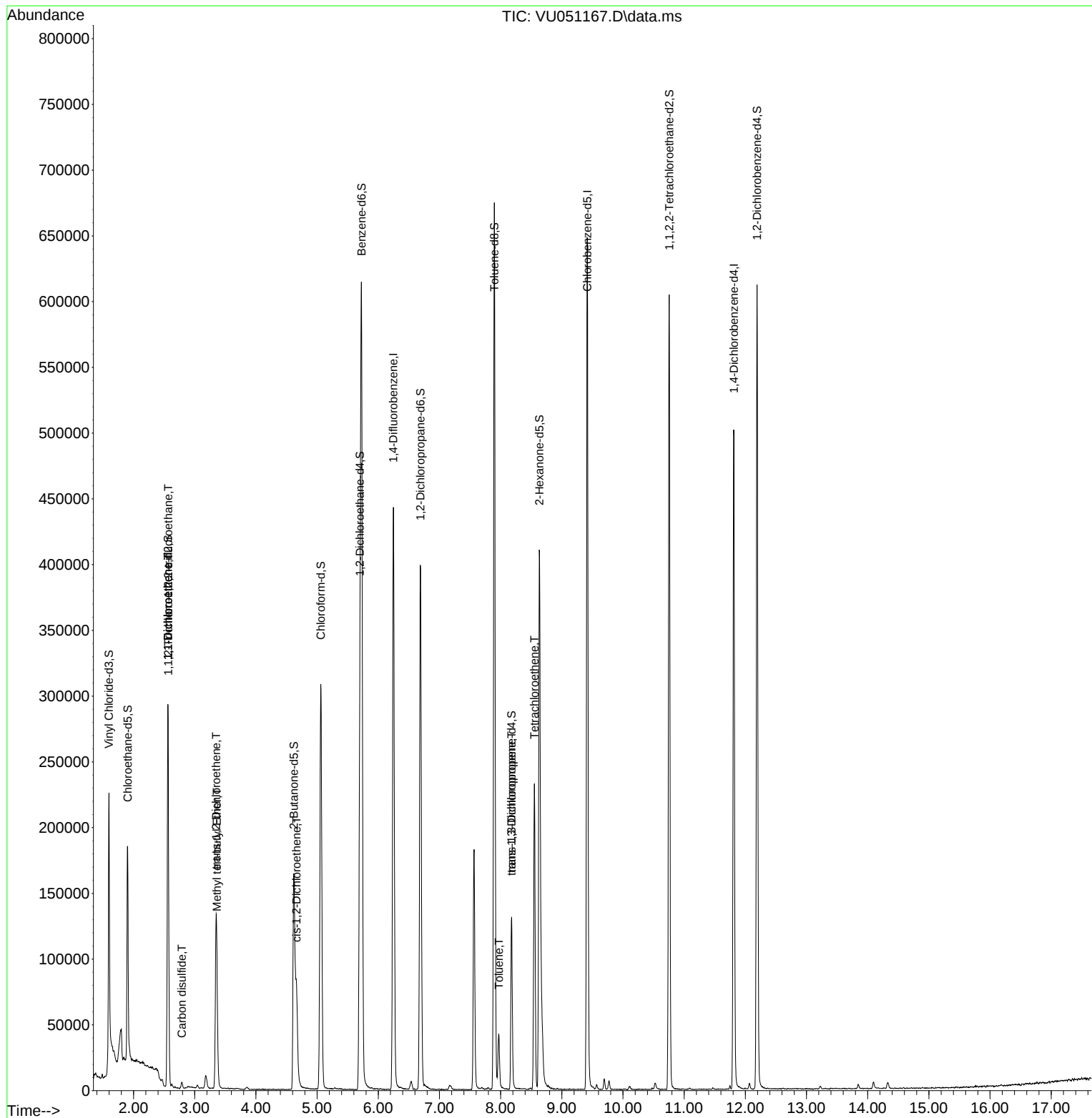
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	357189	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	362666	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	135835	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	132973	36.734	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	73.460%	
7) Chloroethane-d5	1.903	69	127496	37.916	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	75.840%	
11) 1,1-Dichloroethene-d2	2.562	63	172695	32.296	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	64.600%	
21) 2-Butanone-d5	4.620	46	233517	99.461	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	99.460%	
24) Chloroform-d	5.060	84	289540	49.646	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.300%	
26) 1,2-Dichloroethane-d4	5.700	65	193471	53.595	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	107.180%	
32) Benzene-d6	5.726	84	574402	54.086	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	108.180%	
36) 1,2-Dichloropropane-d6	6.687	67	201789	58.555	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	117.100%	
41) Toluene-d8	7.896	98	456330	46.506	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.020%	
43) trans-1,3-Dichloroprop...	8.179	79	73952	44.991	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	89.980%	
47) 2-Hexanone-d5	8.633	63	119003	85.521	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	85.520%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	308037	51.145	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	102.280%	
66) 1,2-Dichlorobenzene-d4	12.192	152	162029	55.837	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	111.680%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1924	0.706	ug/L #	24
12) 1,1-Dichloroethene	2.562	96	1647	0.647	ug/L #	1
14) Carbon disulfide	2.790	76	6413	0.852	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	49313	18.198	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	26709	3.243	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	32184	10.637	ug/L	97
42) Toluene	7.970	91	30702	2.611	ug/L	96
44) trans-1,3-Dichloropropene	8.176	75	2909	0.682	ug/L #	80
46) Tetrachloroethene	8.552	164	51486	23.724	ug/L	99

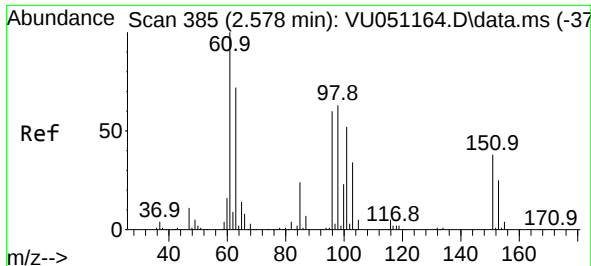
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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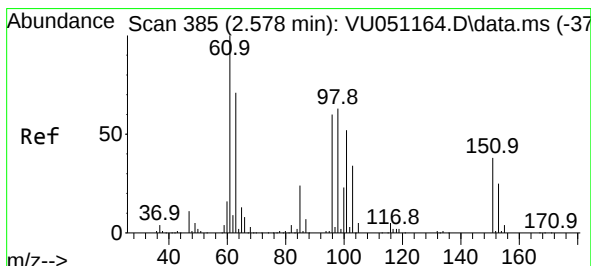
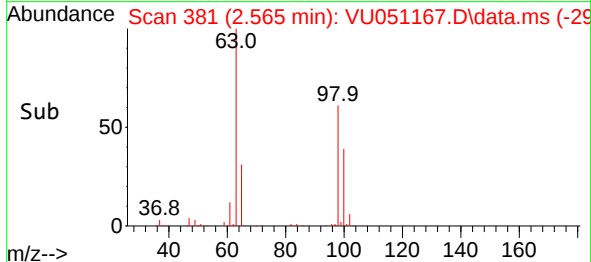
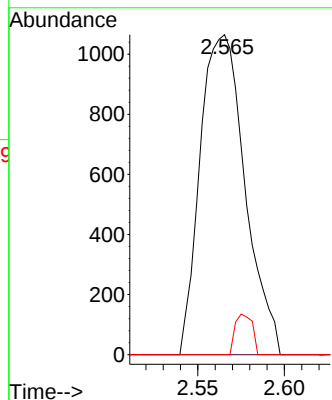
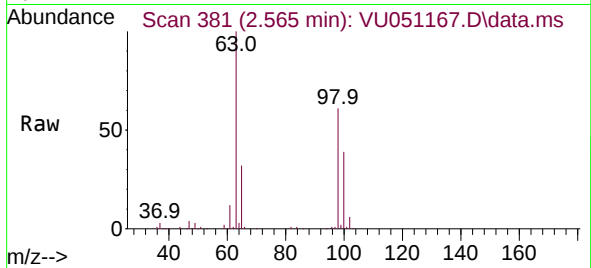




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.706 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU051167.D
 Acq: 06 Oct 2022 13:23

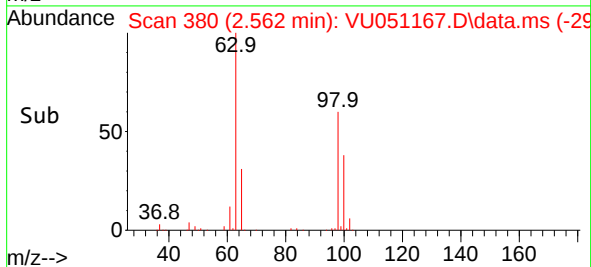
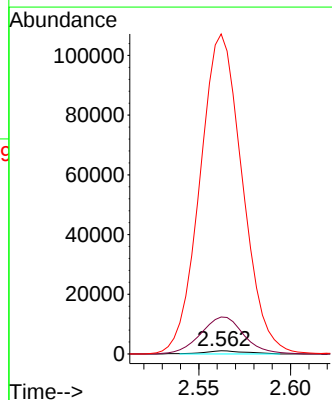
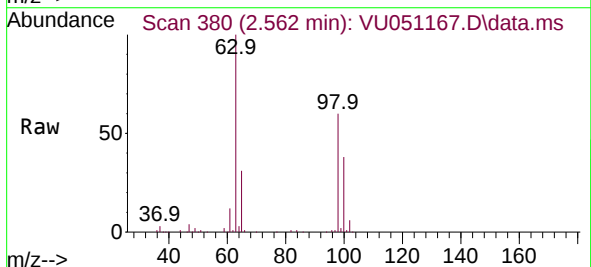
Instrument :
 MSVOA_U
 ClientSampleId :
 F5J38

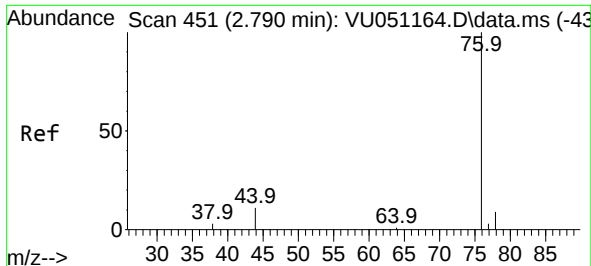
Tgt Ion:101 Resp: 1924
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 4.8 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 0.647 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU051167.D
 Acq: 06 Oct 2022 13:23

Tgt Ion: 96 Resp: 1647
 Ion Ratio Lower Upper
 96 100
 61 1180.5 113.0 209.9#
 63 10209.5 91.7 170.3#

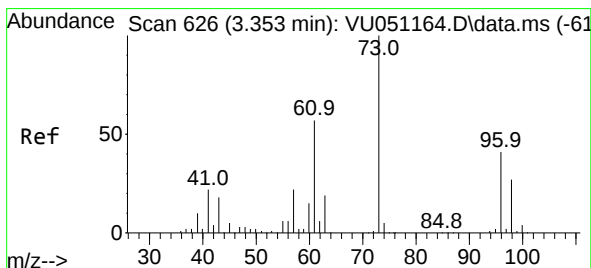
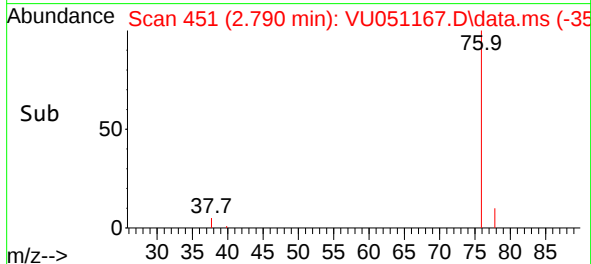
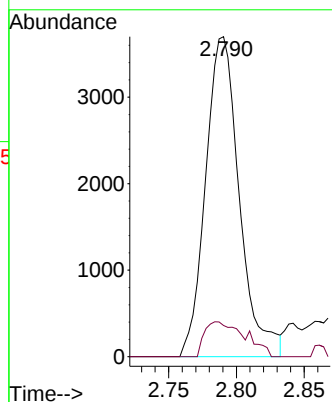
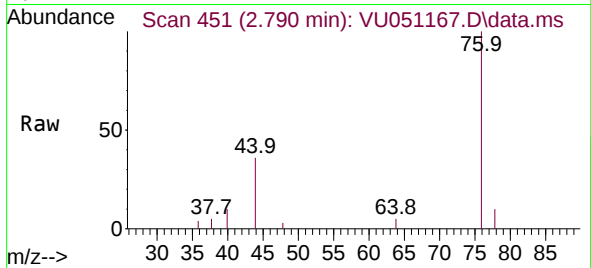




#14
Carbon disulfide
Concen: 0.852 ug/L
RT: 2.790 min Scan# 414
Delta R.T. 0.000 min
Lab File: VU051167.D
Acq: 06 Oct 2022 13:23

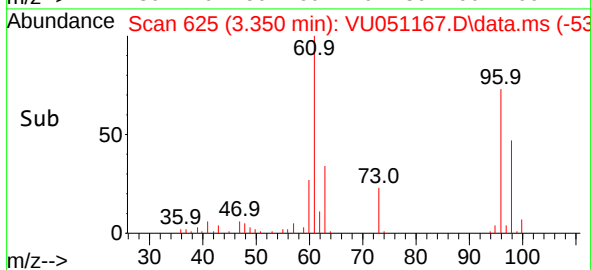
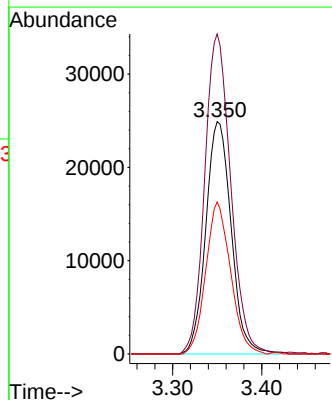
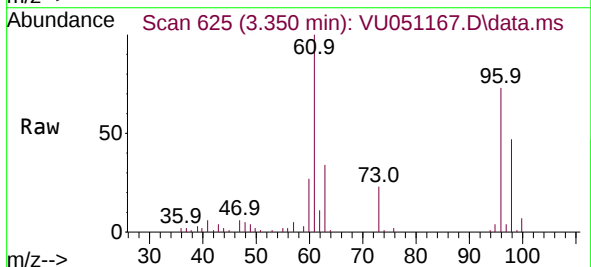
Instrument :
MSVOA_U
ClientSampleId :
F5J38

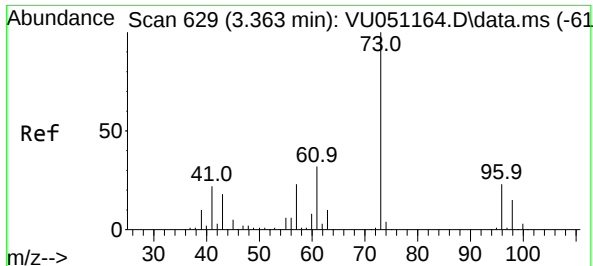
Tgt Ion: 76 Resp: 6413
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#17
trans-1,2-Dichloroethene
Concen: 18.198 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU051167.D
Acq: 06 Oct 2022 13:23

Tgt Ion: 96 Resp: 49313
Ion Ratio Lower Upper
96 100
61 137.7 95.1 176.5
98 65.4 45.1 83.7





#18

Methyl tert-butyl Ether

Concen: 3.243 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051167.D

Acq: 06 Oct 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

F5J38

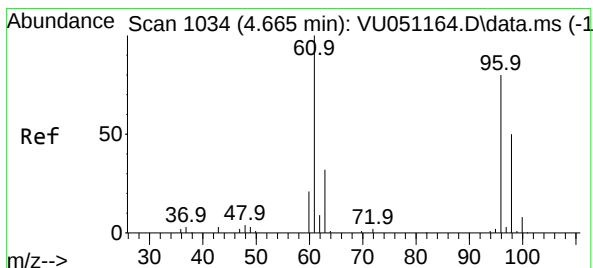
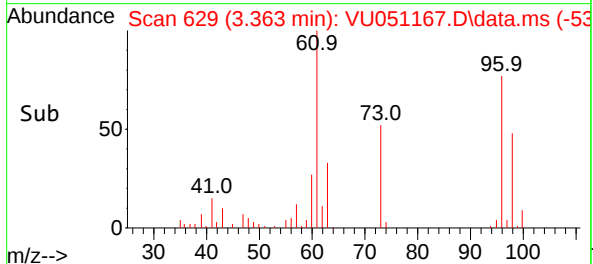
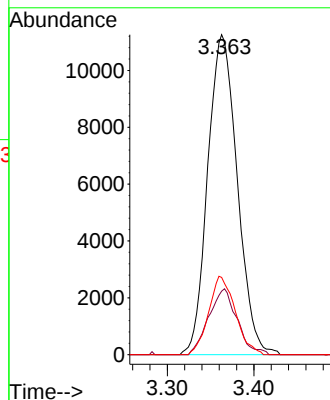
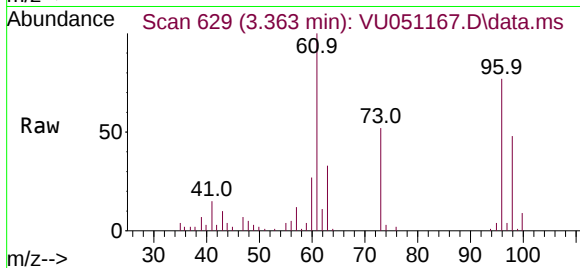
Tgt Ion: 73 Resp: 26709

Ion Ratio Lower Upper

73 100

43 19.4 14.7 22.1

57 22.1 17.5 26.3



#20

cis-1,2-Dichloroethene

Concen: 10.637 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051167.D

Acq: 06 Oct 2022 13:23

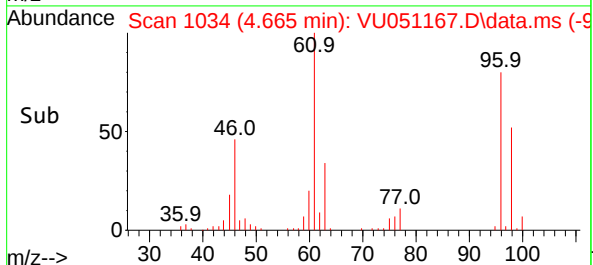
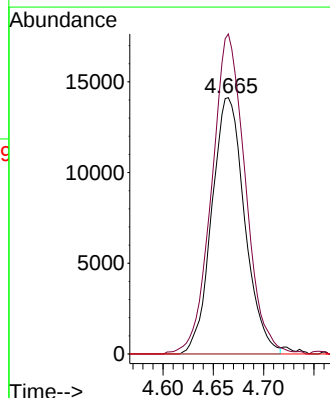
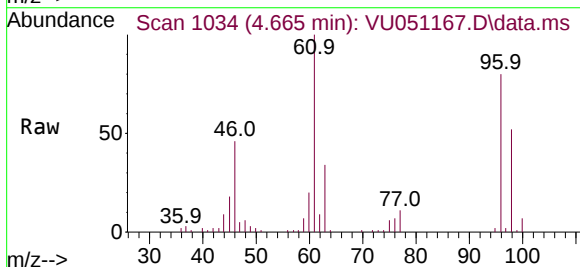
Tgt Ion: 96 Resp: 32184

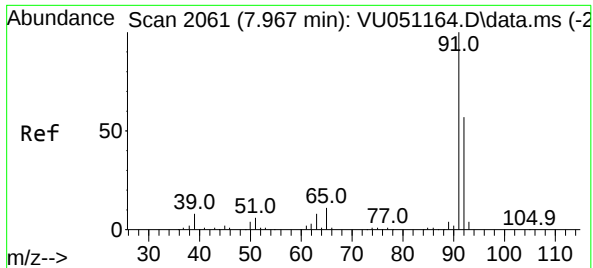
Ion Ratio Lower Upper

96 100

61 124.8 85.4 158.6

68 0.0 0.0 0.0





#42

Toluene

Concen: 2.611 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051167.D

Acq: 06 Oct 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

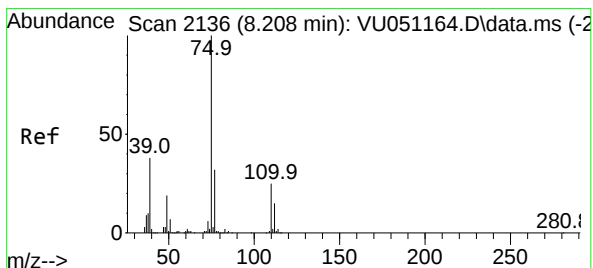
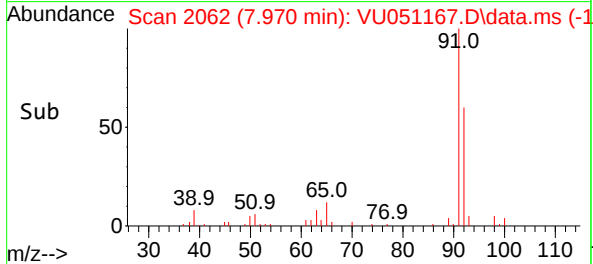
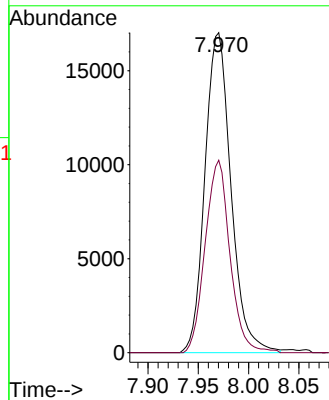
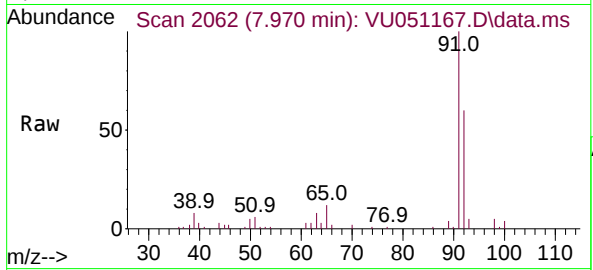
F5J38

Tgt Ion: 91 Resp: 30702

Ion Ratio Lower Upper

91 100

92 60.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.682 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU051167.D

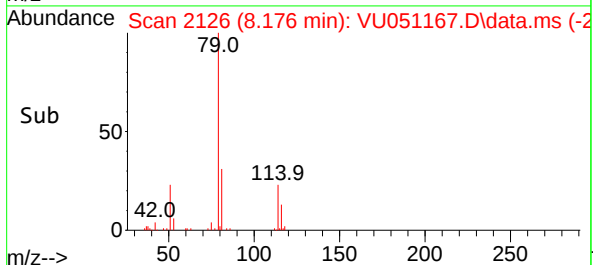
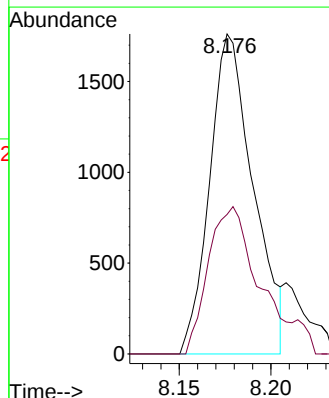
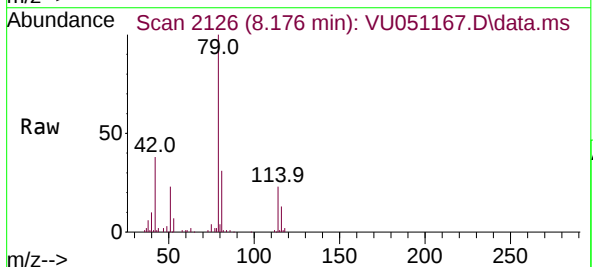
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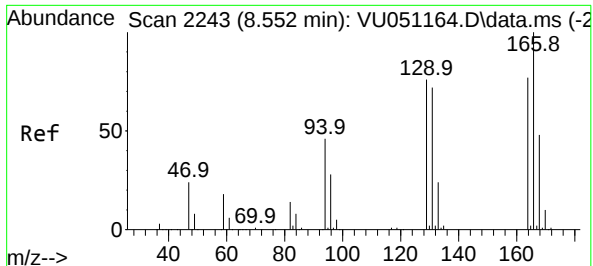
Tgt Ion: 75 Resp: 2909

Ion Ratio Lower Upper

75 100

77 43.6 22.7 42.3#





#46
 Tetrachloroethene
 Concen: 23.724 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. 0.000 min
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Tgt Ion:164	Resp:	51486
Ion	Ratio	Lower Upper
164	100	
129	99.9	68.1 126.5
131	96.3	67.8 126.0
166	130.7	90.5 168.1

