

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045876.D
 Acq On : 18 Nov 2021 18:20
 Operator : SY/MD
 Sample : M4664-11DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:55:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

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

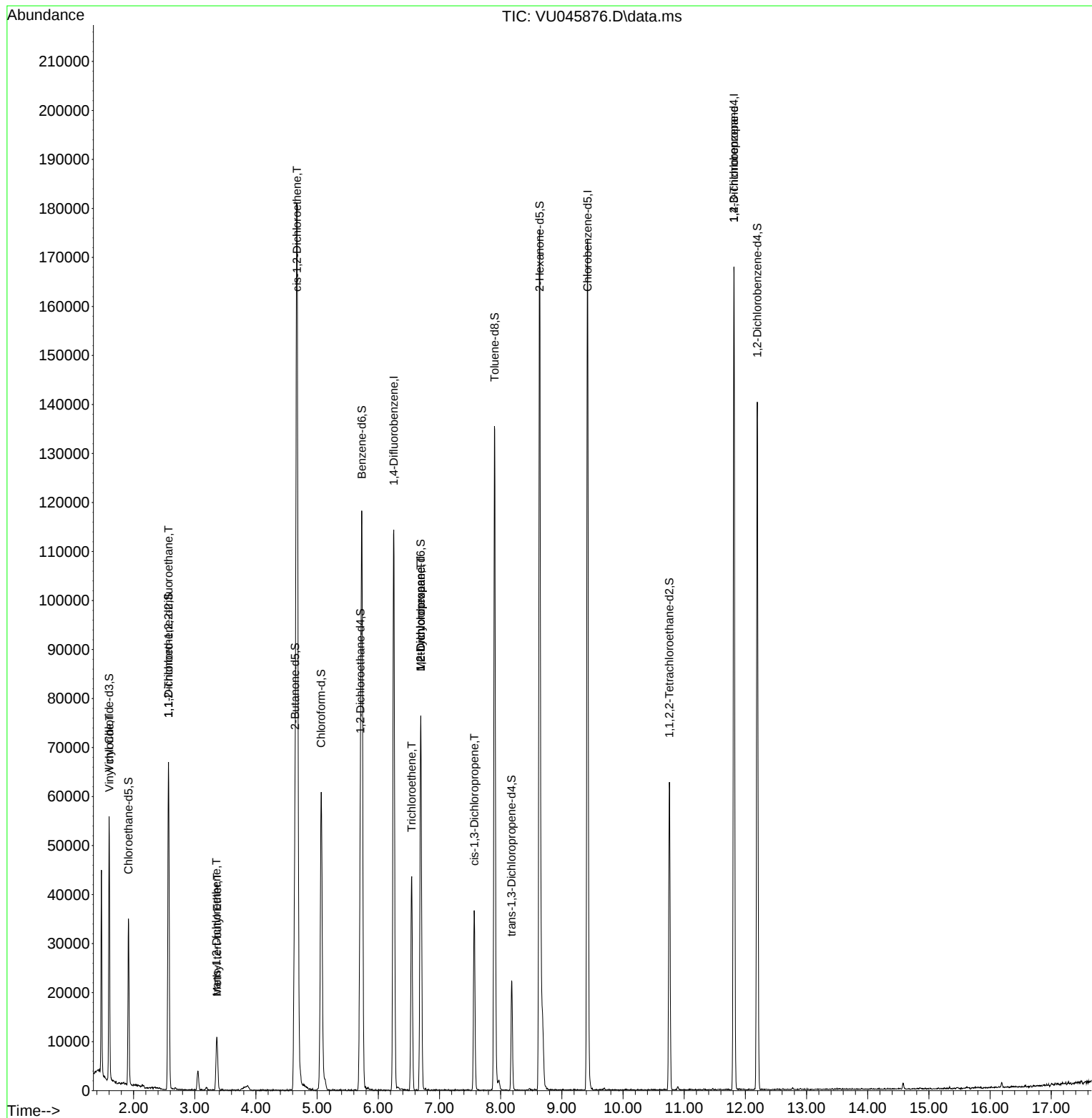
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	91955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95996	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43856	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	30420	4.175	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	83.600%	
7) Chloroethane-d5	1.916	69	24494	4.618	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	92.400%	
11) 1,1-Dichloroethene-d2	2.572	65	12785	4.184	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	83.600%	
20) 2-Butanone-d5	4.639	46	94939	48.627	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	97.260%	
24) Chloroform-d	5.067	84	55437	4.567	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.400%	
26) 1,2-Dichloroethane-d4	5.707	65	31961	4.488	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.800%	
32) Benzene-d6	5.732	84	110057	4.163	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.200%	
36) 1,2-Dichloropropane-d6	6.694	67	35469	4.257	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	85.200%	
41) Toluene-d8	7.899	98	91310	3.818	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.400%	
43) trans-1,3-Dichloroprop...	8.179	79	13241	3.915	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.200%	
46) 2-Hexanone-d5	8.636	63	60698	39.872	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	79.740%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31364	4.456	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.200%	
66) 1,2-Dichlorobenzene-d4	12.195	152	35167	4.670	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.400%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	6938	0.871	ug/L	84
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	304	0.050	ug/L #	21
17) Methyl tert-butyl Ether	3.366	73	4367	0.295	ug/L	92
18) trans-1,2-Dichloroethene	3.356	96	3320	0.544	ug/L	90
22) cis-1,2-Dichloroethene	4.671	96	85540	12.930	ug/L	99
34) Trichloroethene	6.546	95	14763	2.138	ug/L	98
35) Methylcyclohexane	6.694	83	8277	0.781	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3938	0.559	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	946	0.094	ug/L	98
61) 1,2,3-Trichloropropane	11.812	75	5651	1.241	ug/L #	67

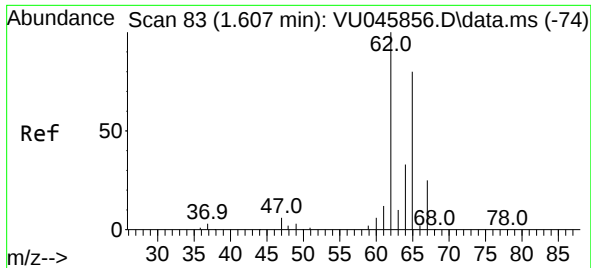
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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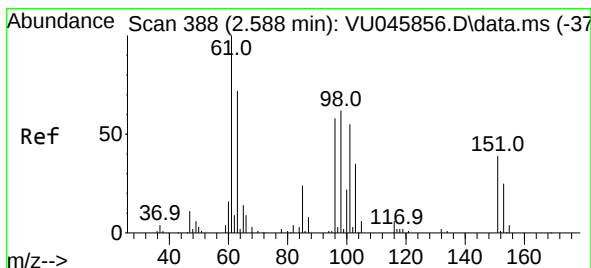
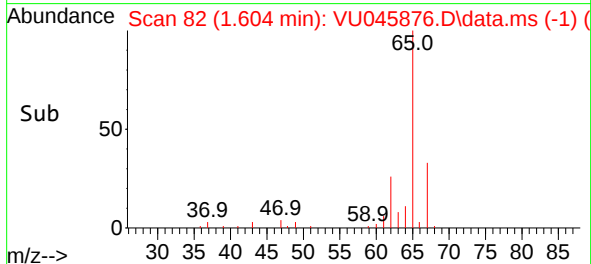
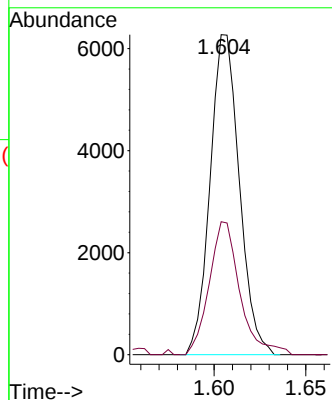
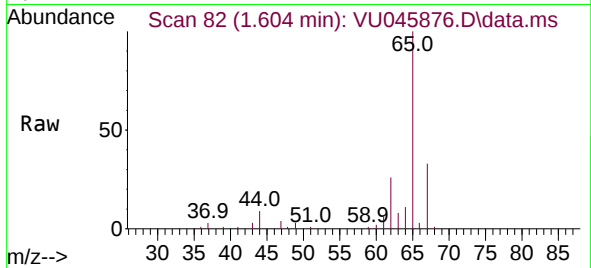




#5
 Vinyl chloride
 Concen: 0.871 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU045876.D
 Acq: 18 Nov 2021 18:20

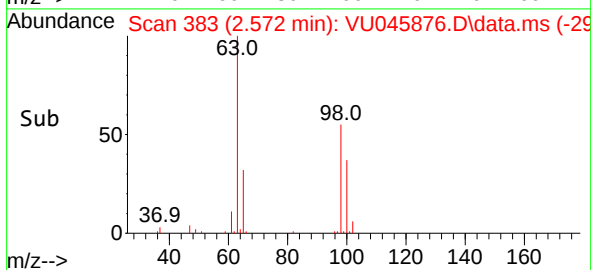
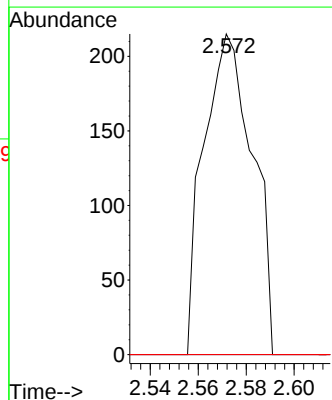
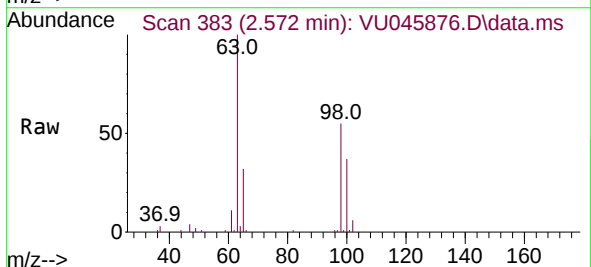
Instrument :
 MSVOA_U
 ClientSampleId :

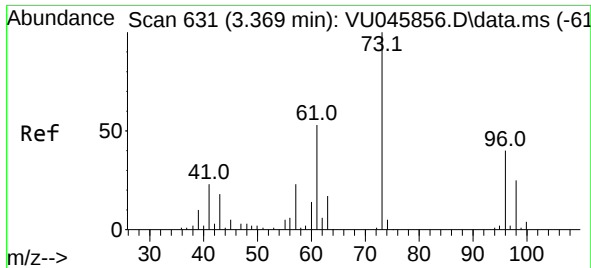
Tgt Ion: 62 Resp: 6938
 Ion Ratio Lower Upper
 62 100
 64 41.5 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.050 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU045876.D
 Acq: 18 Nov 2021 18:20

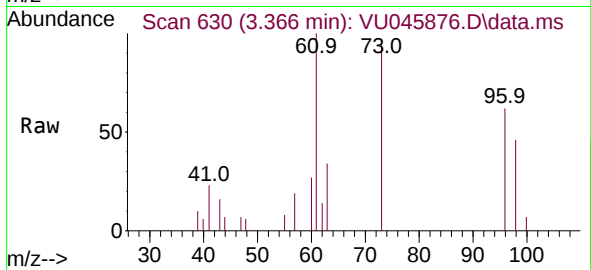
Tgt Ion: 101 Resp: 304
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



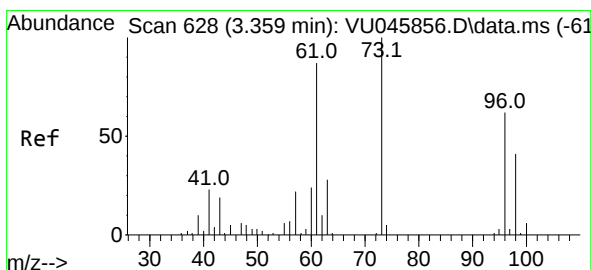
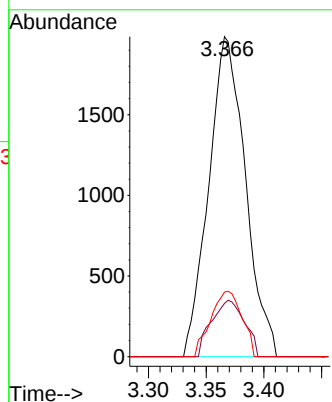
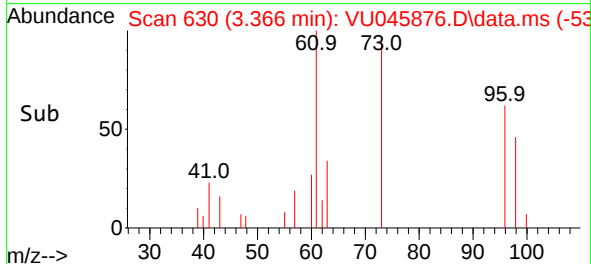


#17
Methyl tert-butyl Ether
Concen: 0.295 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

Instrument :
MSVOA_U
ClientSampleId :

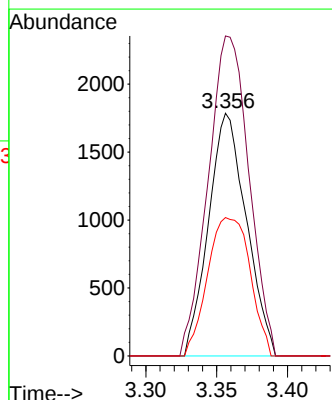
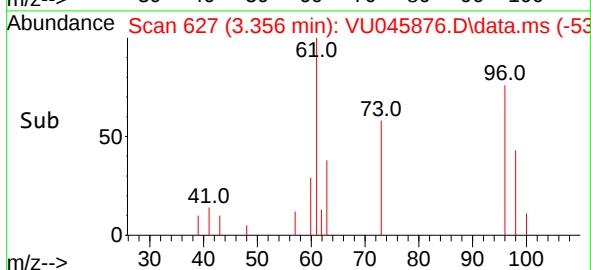
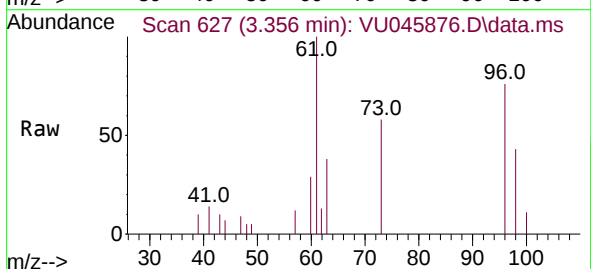


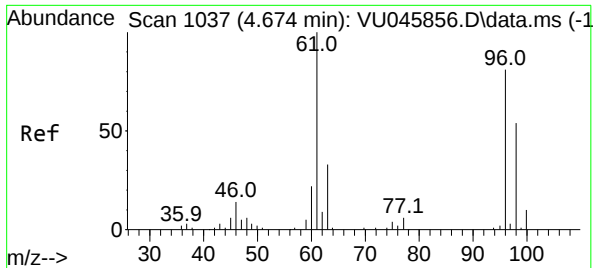
Tgt Ion: 73 Resp: 4367
Ion Ratio Lower Upper
73 100
43 15.9 14.8 22.2
57 17.4 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 0.544 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

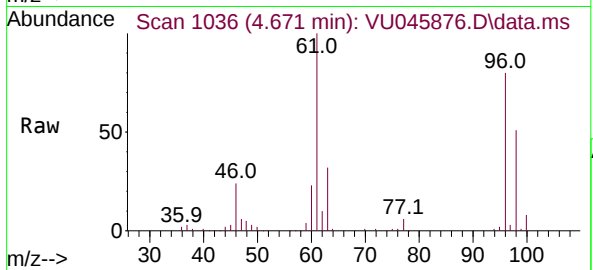
Tgt Ion: 96 Resp: 3320
Ion Ratio Lower Upper
96 100
61 131.9 100.8 187.2
98 57.0 45.1 83.7



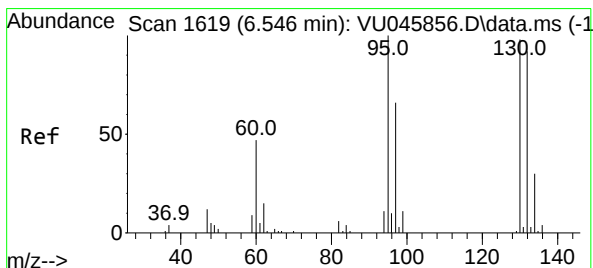
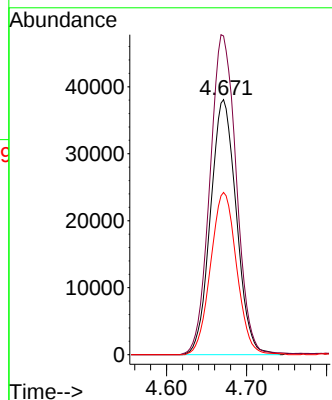
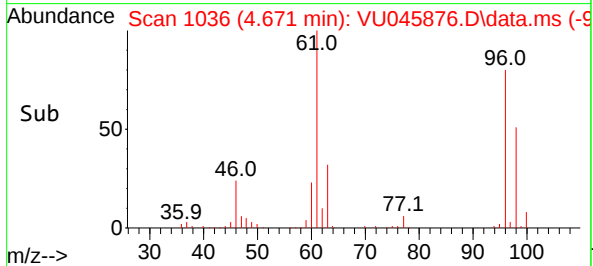


#22
cis-1,2-Dichloroethene
Concen: 12.930 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

Instrument :
MSVOA_U
ClientSampleId :

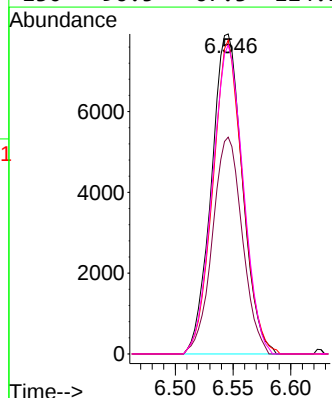
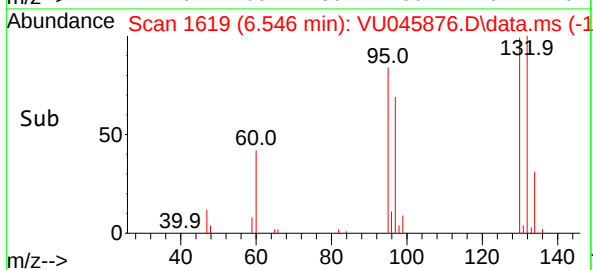
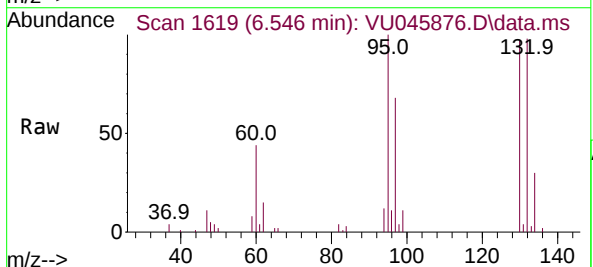


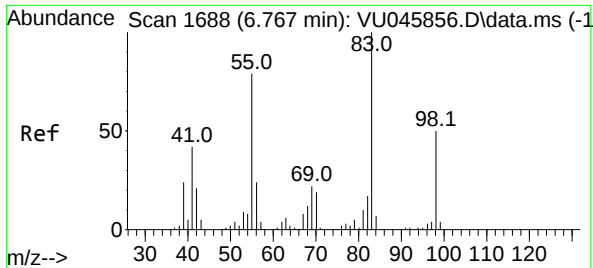
Tgt Ion: 96 Resp: 85540
Ion Ratio Lower Upper
96 100
61 125.0 88.5 164.3
98 63.6 44.4 82.5



#34
Trichloroethene
Concen: 2.138 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

Tgt Ion: 95 Resp: 14763
Ion Ratio Lower Upper
95 100
97 67.7 46.5 86.5
132 98.0 65.1 120.9
130 96.5 67.3 124.9

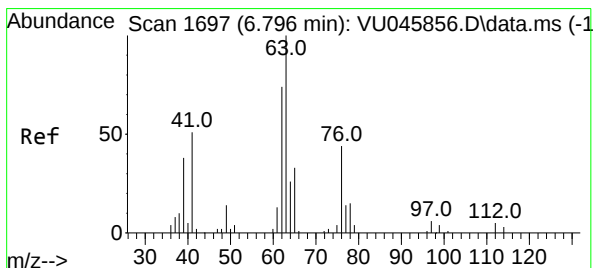
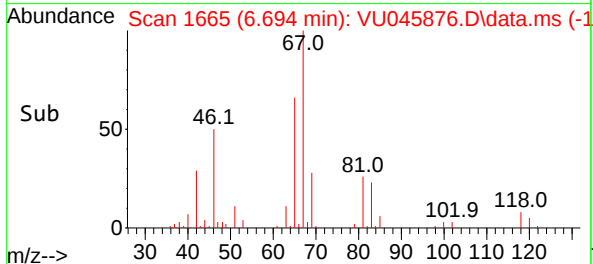
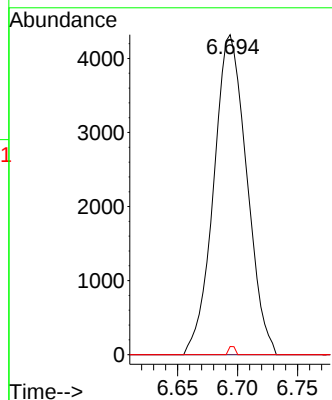
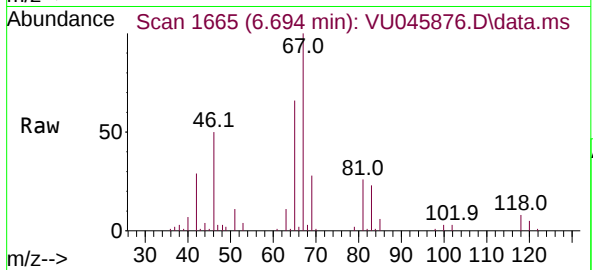




#35
Methylcyclohexane
Concen: 0.781 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

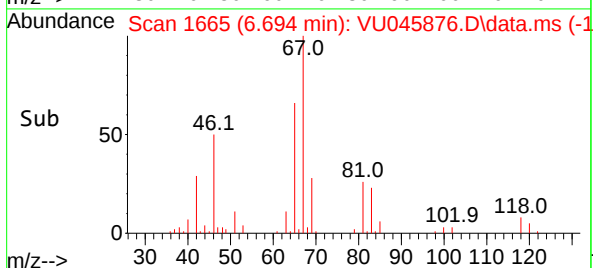
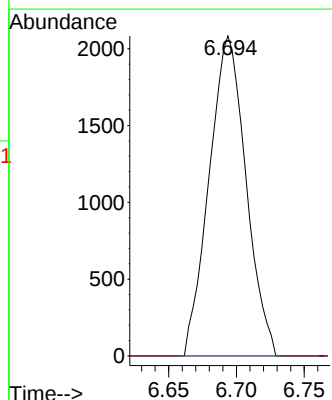
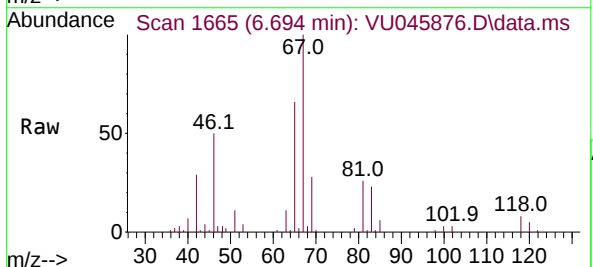
Instrument :
MSVOA_U
ClientSampleId :

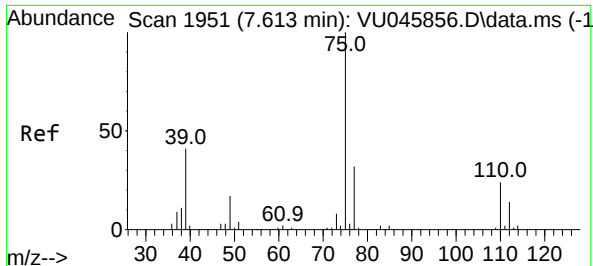
Tgt Ion: 83 Resp: 8277
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.5 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.559 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045876.D
Acq: 18 Nov 2021 18:20

Tgt Ion: 63 Resp: 3938
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU045876.D

Acq: 18 Nov 2021 18:20

Instrument :

MSVOA_U

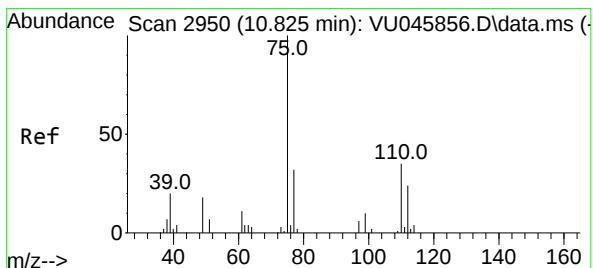
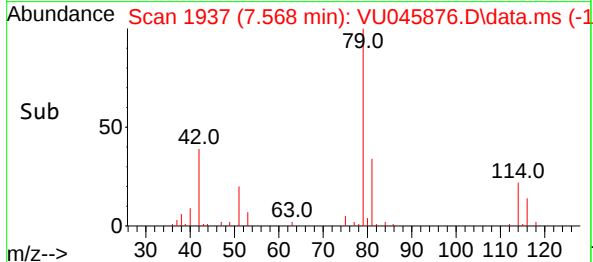
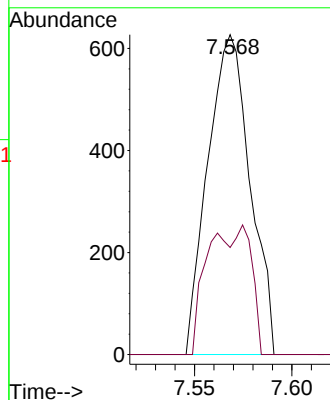
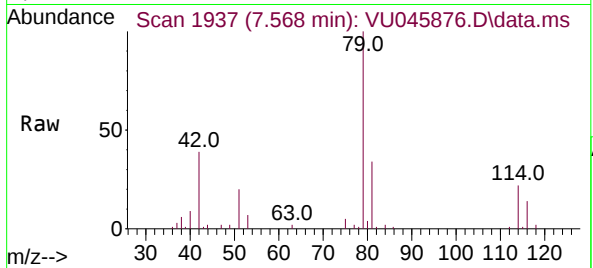
ClientSampleId :

Tgt Ion: 75 Resp: 946

Ion Ratio Lower Upper

75 100

77 33.5 22.5 41.9



#61

1,2,3-Trichloropropane

Concen: 1.241 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045876.D

Acq: 18 Nov 2021 18:20

Tgt Ion: 75 Resp: 5651

Ion Ratio Lower Upper

75 100

110 1.4 29.9 44.9#

77 31.5 25.5 38.3

