

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046393.D
 Acq On : 15 Dec 2021 13:37
 Operator : SY/MD
 Sample : M4997-14DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:09:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

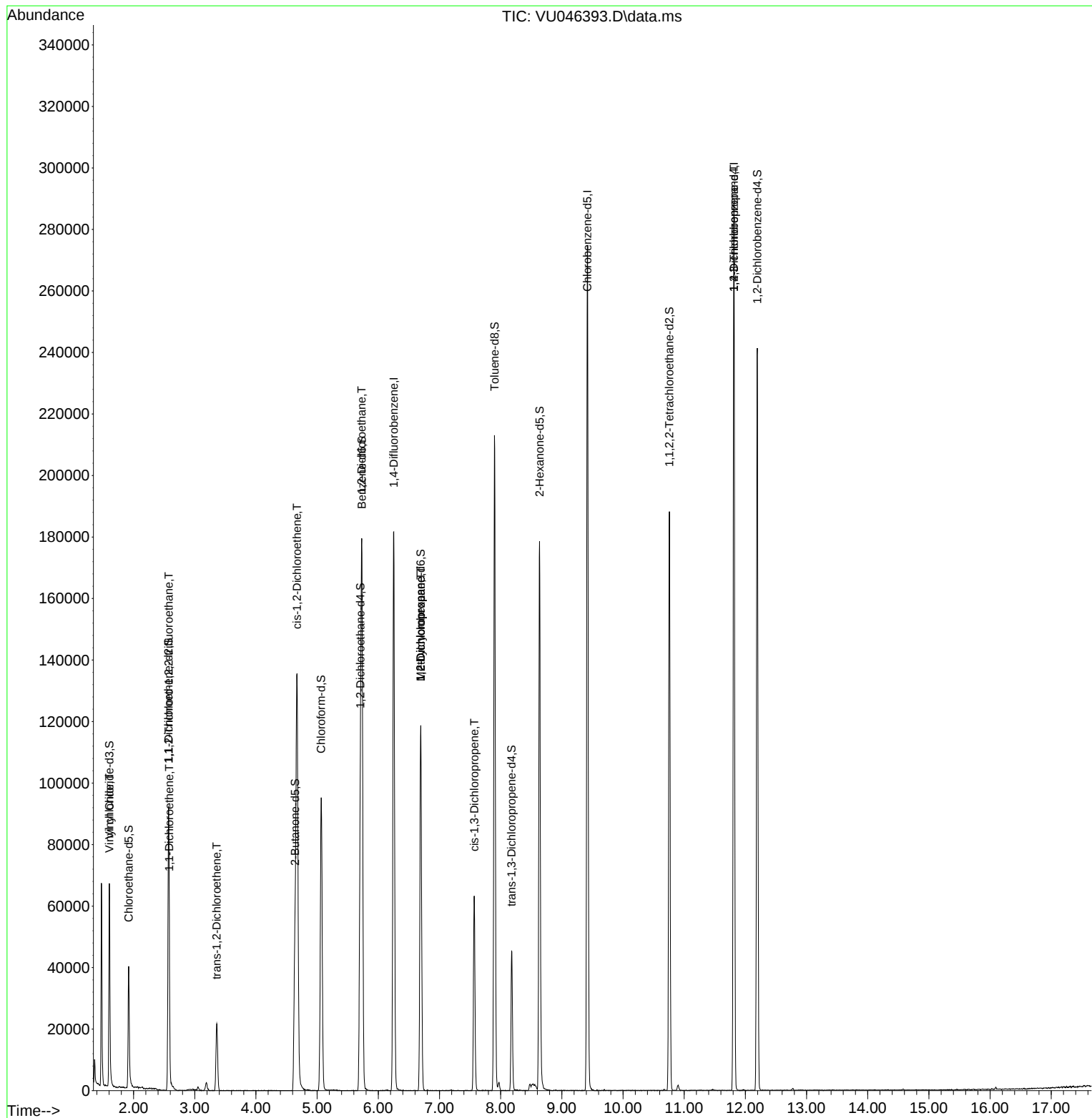
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	146421	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	151141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	73874	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	39813	33.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.020%		
7) Chloroethane-d5	1.919	69	32847	35.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	70.940%		
11) 1,1-Dichloroethene-d2	2.572	63	55973	25.851	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	51.700%#		
21) 2-Butanone-d5	4.639	46	87889	91.663	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.660%		
24) Chloroform-d	5.067	84	91534	45.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.880%		
26) 1,2-Dichloroethane-d4	5.707	65	61378	45.406	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.820%		
32) Benzene-d6	5.732	84	166578	38.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.900%		
36) 1,2-Dichloropropane-d6	6.694	67	55900	41.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.280%		
41) Toluene-d8	7.899	98	139502	35.369	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	70.740%#		
43) trans-1,3-Dichloroprop...	8.179	79	26476	40.852	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.700%		
47) 2-Hexanone-d5	8.636	63	63471	99.710	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.710%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	91293	44.839	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.680%		
66) 1,2-Dichlorobenzene-d4	12.195	152	60667	42.643	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.280%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	11086	7.716	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	496	0.466	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	489	0.483	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	9307	8.687	ug/L	94
20) cis-1,2-Dichloroethene	4.671	96	63255	54.411	ug/L	99
27) 1,2-Dichloroethane	5.729	62	851	0.530	ug/L #	73
35) Methylcyclohexane	6.694	83	13981	7.482	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6374	5.319	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1521	0.834	ug/L #	54
60) 1,2,3-Trichloropropane	11.812	75	9292	5.738	ug/L #	66

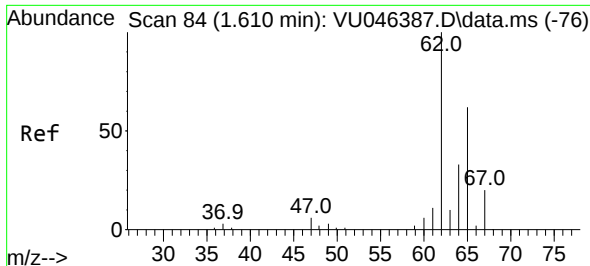
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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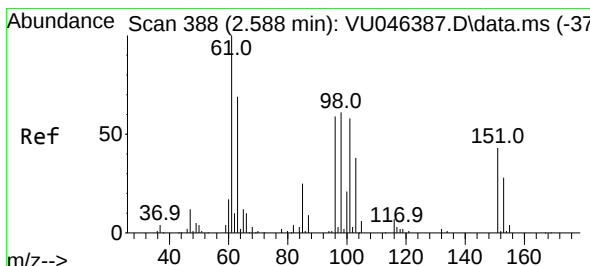
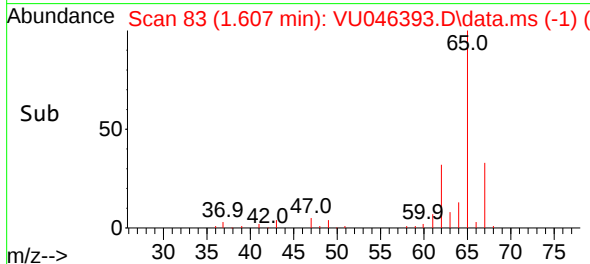
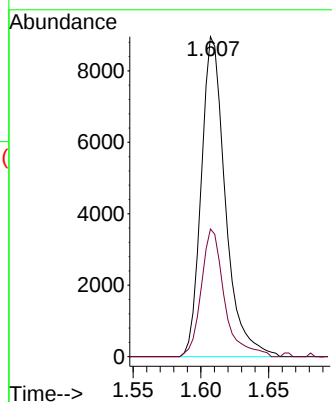
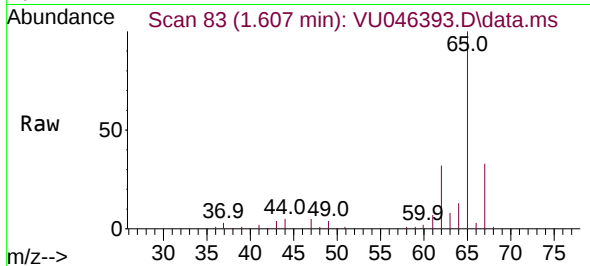




#5
 Vinyl chloride
 Concen: 7.716 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046393.D
 Acq: 15 Dec 2021 13:37

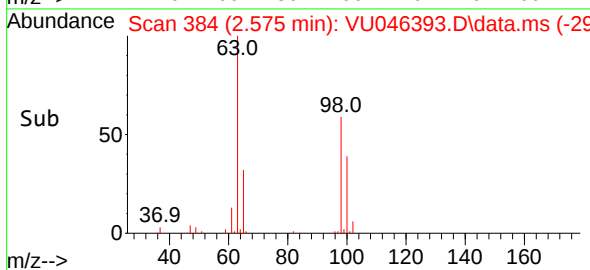
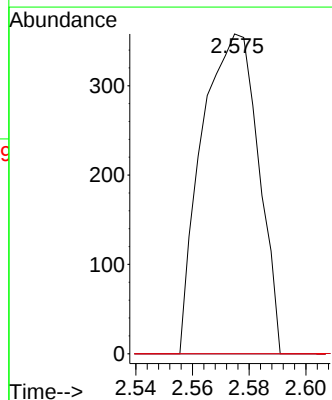
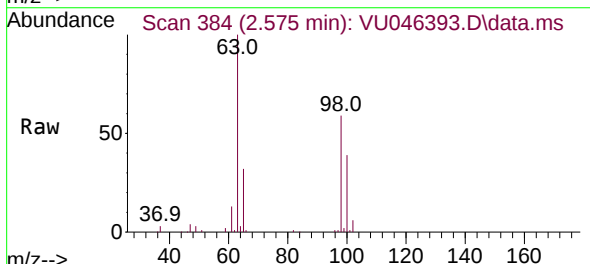
Instrument :
 MSVOA_U
 ClientSampleId :

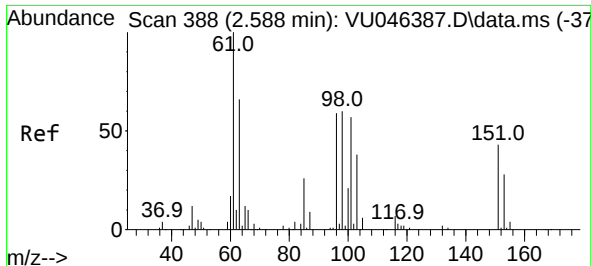
Tgt Ion: 62 Resp: 11086
 Ion Ratio Lower Upper
 62 100
 64 39.9 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.466 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046393.D
 Acq: 15 Dec 2021 13:37

Tgt Ion: 101 Resp: 496
 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: 0.483 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

Lab File: VU046393.D

Acq: 15 Dec 2021 13:37

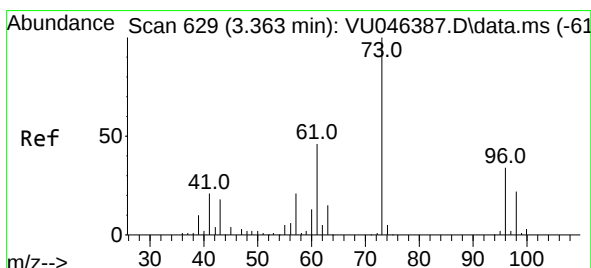
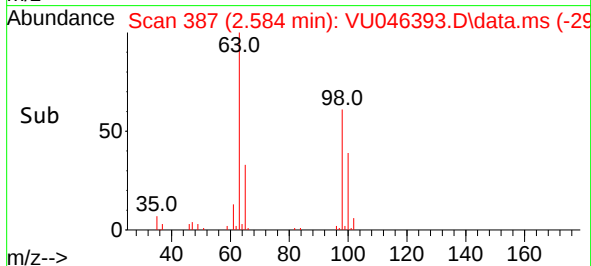
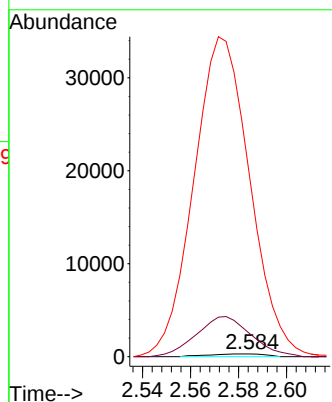
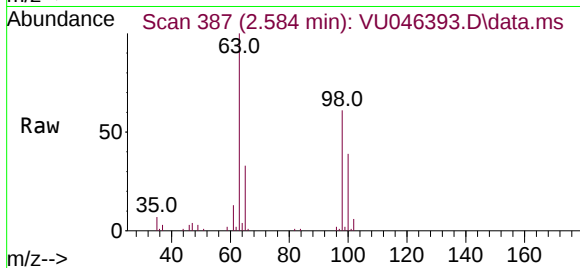
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 489

Ion	Ratio	Lower	Upper
96	100		
61	837.9	118.6	220.2#
63	6509.0	93.0	172.8#



#17

trans-1,2-Dichloroethene

Concen: 8.687 ug/L

RT: 3.359 min Scan# 628

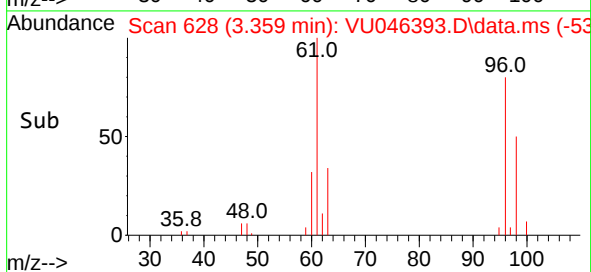
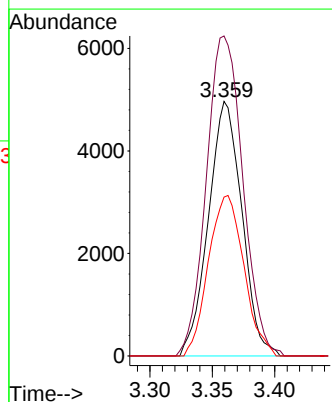
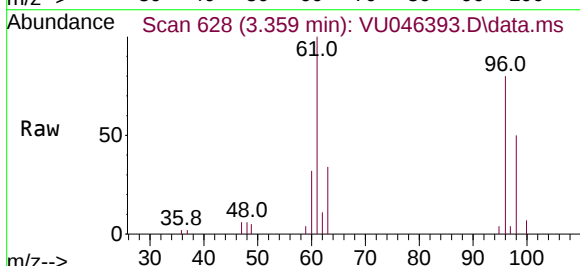
Delta R.T. -0.003 min

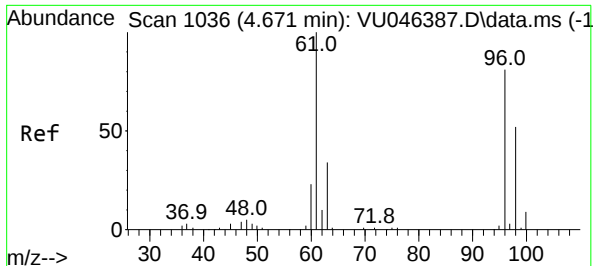
Lab File: VU046393.D

Acq: 15 Dec 2021 13:37

Tgt Ion: 96 Resp: 9307

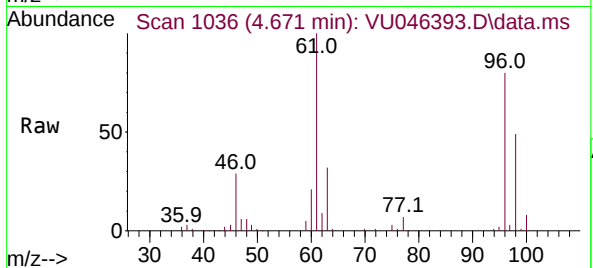
Ion	Ratio	Lower	Upper
96	100		
61	125.7	94.6	175.6
98	62.4	44.0	81.8



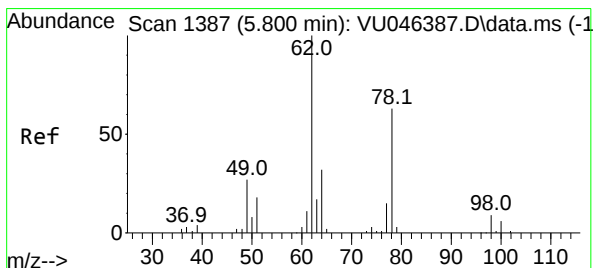
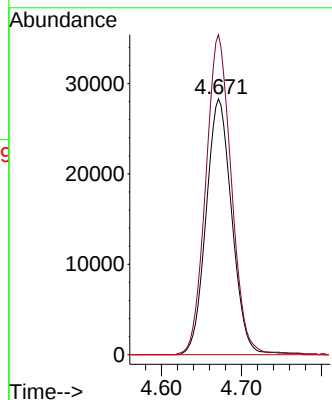
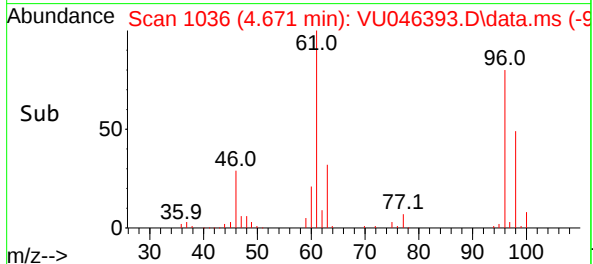


#20
cis-1,2-Dichloroethene
Concen: 54.411 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046393.D
Acq: 15 Dec 2021 13:37

Instrument :
MSVOA_U
ClientSampleId :

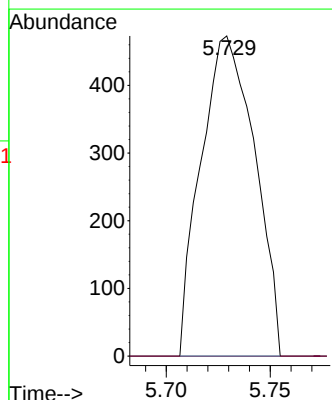
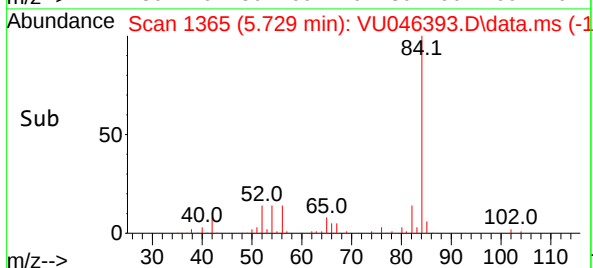
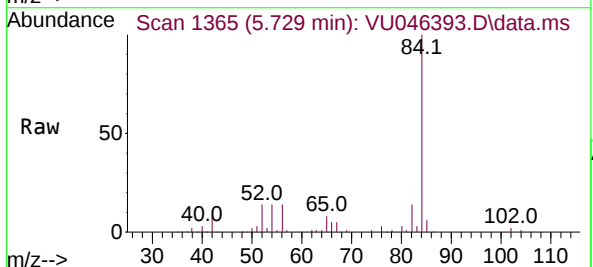


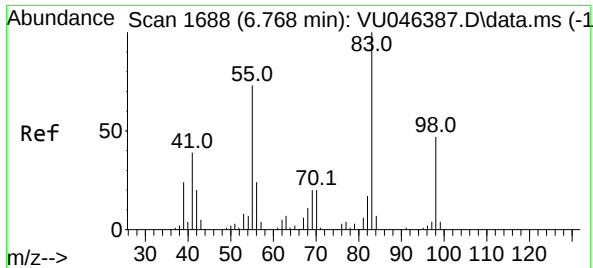
Tgt Ion: 96 Resp: 63255
Ion Ratio Lower Upper
96 100
61 125.1 86.8 161.2
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.530 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.071 min
Lab File: VU046393.D
Acq: 15 Dec 2021 13:37

Tgt Ion: 62 Resp: 851
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#

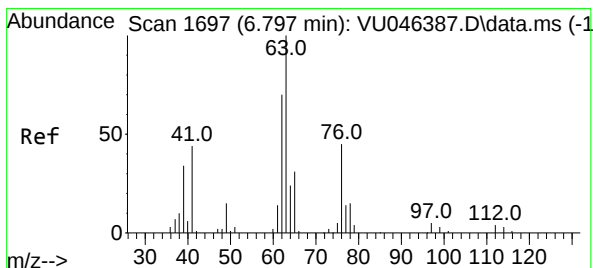
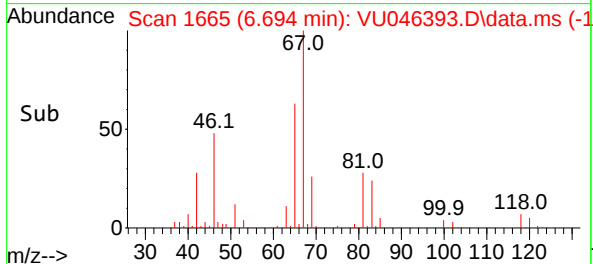
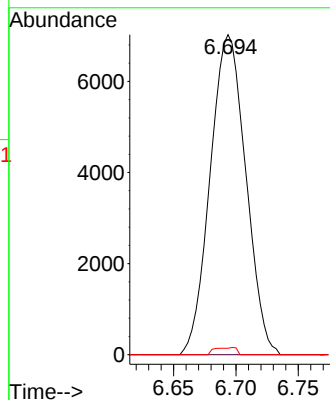
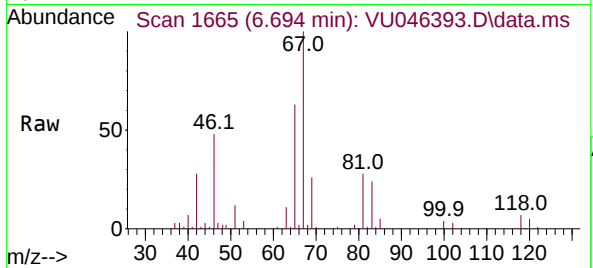




#35
Methylcyclohexane
Concen: 7.482 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046393.D
Acq: 15 Dec 2021 13:37

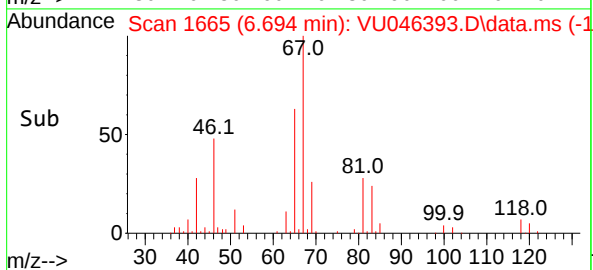
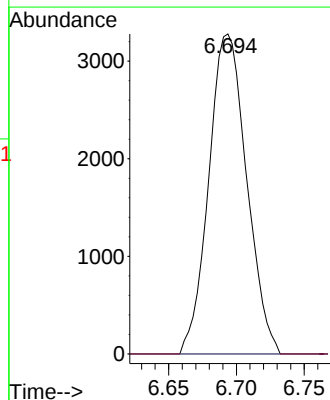
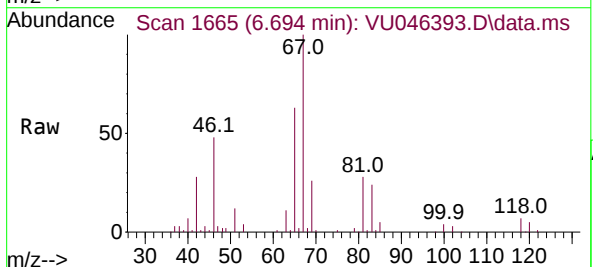
Instrument :
MSVOA_U
ClientSampleId :

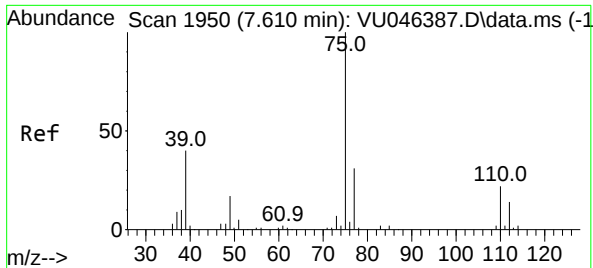
Tgt Ion: 83 Resp: 13981
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.4 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.319 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046393.D
Acq: 15 Dec 2021 13:37

Tgt Ion: 63 Resp: 6374
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.834 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046393.D

Acq: 15 Dec 2021 13:37

Instrument :

MSVOA_U

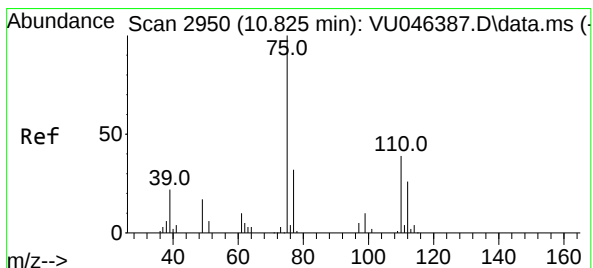
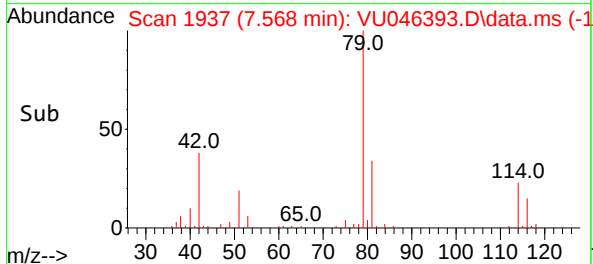
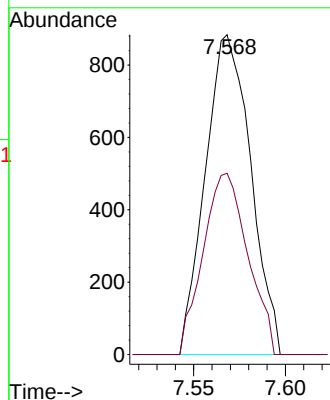
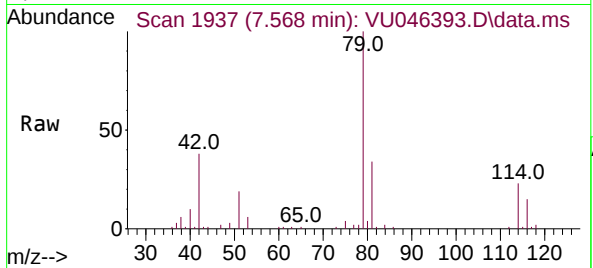
ClientSampleId :

Tgt Ion: 75 Resp: 1521

Ion Ratio Lower Upper

75 100

77 56.7 21.8 40.6#



#60

1,2,3-Trichloropropane

Concen: 5.738 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046393.D

Acq: 15 Dec 2021 13:37

Tgt Ion: 75 Resp: 9292

Ion Ratio Lower Upper

75 100

77 33.7 26.4 39.6

110 2.2 32.4 48.6#

