

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052309.D
 Acq On : 09 Dec 2022 18:13
 Operator : JC/MD
 Sample : N5960-02DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0L25DL

Quant Time: Dec 09 23:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

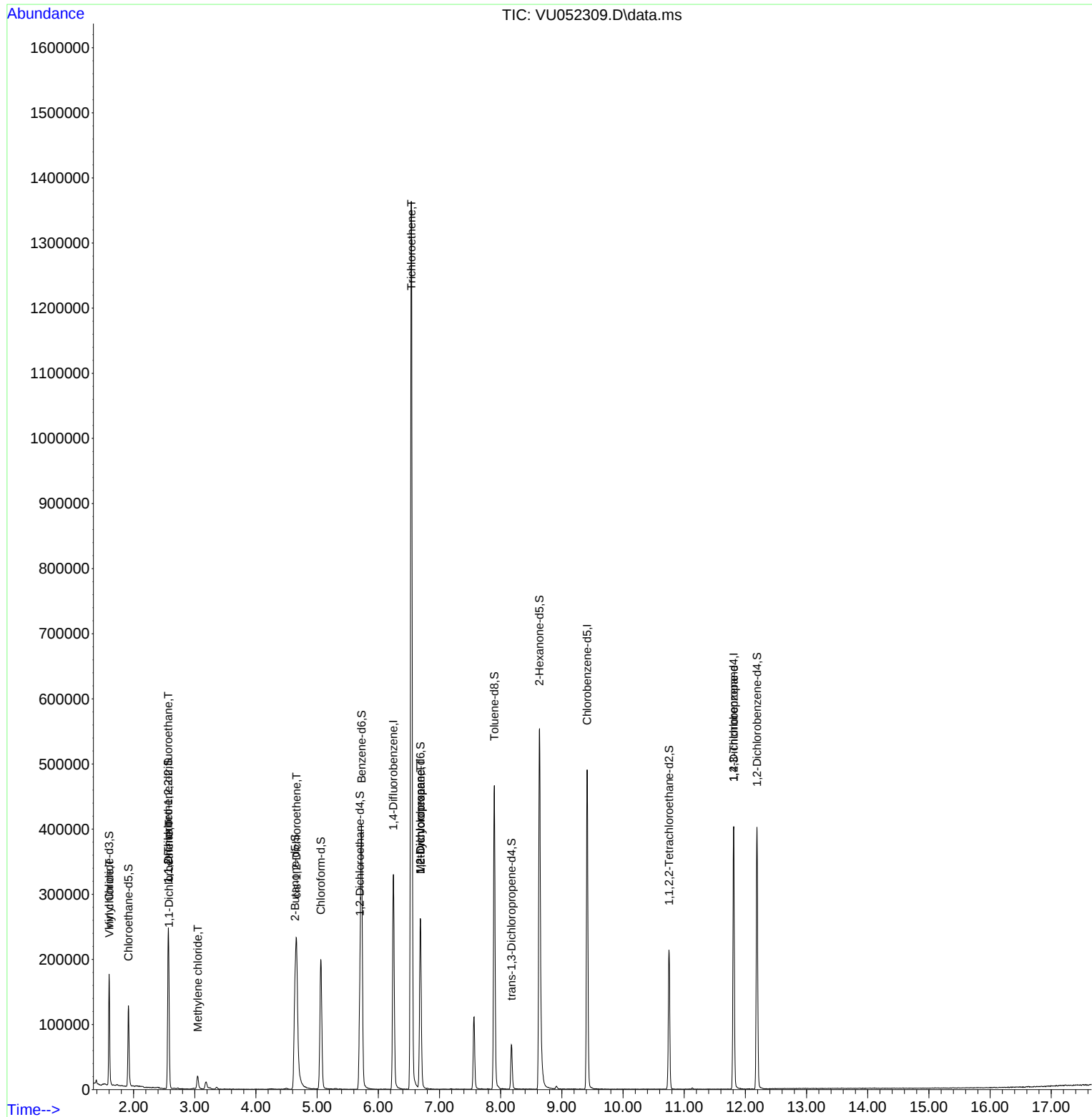
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	274424	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	280823	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	111709	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	117366	4.397	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.916	69	96300	4.645	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.568	65	47816	4.997	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	4.642	46	277092	57.268	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.540%
24) Chloroform-d	5.060	84	193348	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.700	65	100567	5.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.726	84	402842	4.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.687	67	133798	5.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.896	98	326490	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.176	79	40050	4.260	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.633	63	195139	48.974	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.940%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	110576	4.943	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	112666	5.268	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
5) Vinyl chloride	1.604	62	11599	0.389	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1532	0.076	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	2687	0.135	ug/L #	1
16) Methylene chloride	3.048	84	10075	0.374	ug/L	93
22) cis-1,2-Dichloroethene	4.665	96	68767	3.070	ug/L	96
34) Trichloroethene	6.539	95	483873	21.227	ug/L	98
35) Methylcyclohexane	6.687	83	29587	0.902	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	13440	0.568	ug/L #	88
61) 1,2,3-Trichloropropane	11.809	75	13158	1.029	ug/L #	67

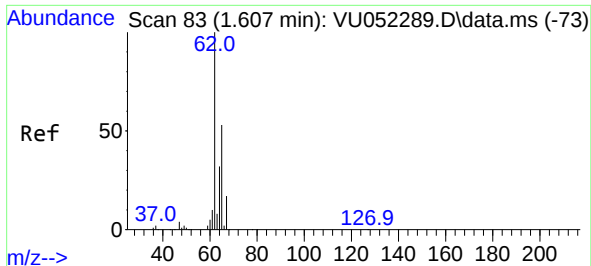
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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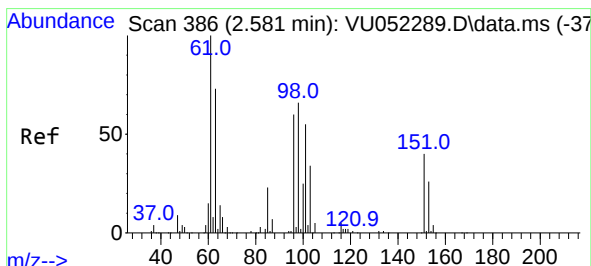
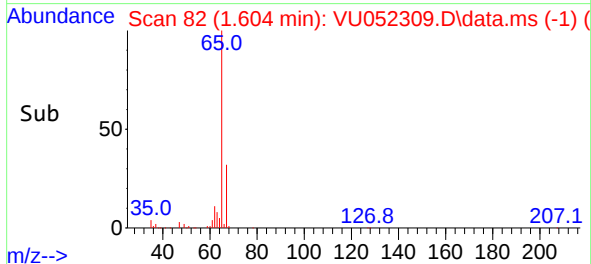
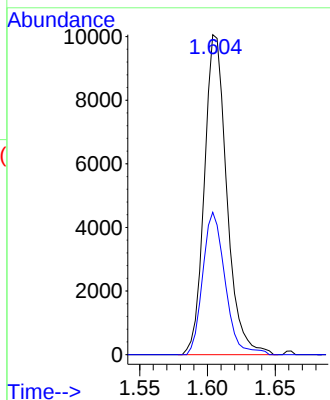
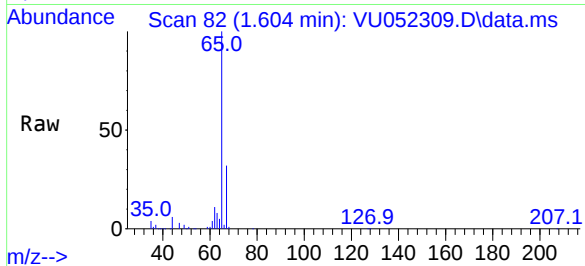




#5
 Vinyl chloride
 Concen: 0.389 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052309.D
 Acq: 09 Dec 2022 18:13

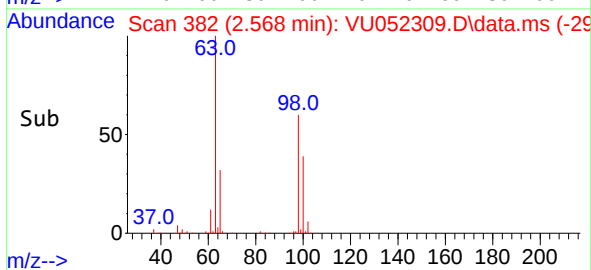
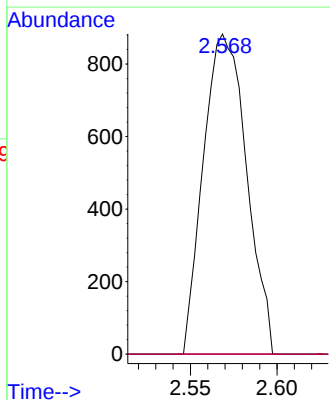
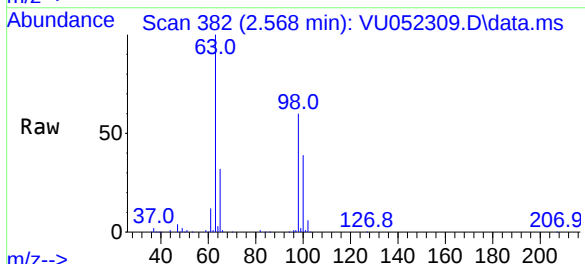
Instrument :
 MSVOA_U
 ClientSampleId :
 COL25DL

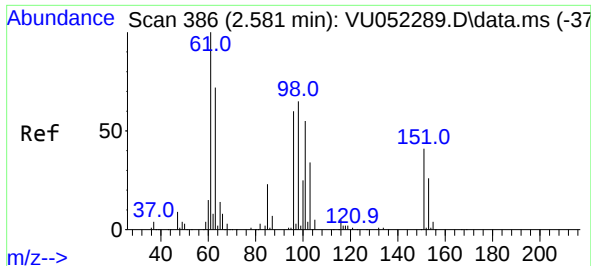
Tgt Ion: 62 Resp: 11599
 Ion Ratio Lower Upper
 62 100
 64 44.5 23.5 43.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.076 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU052309.D
 Acq: 09 Dec 2022 18:13

Tgt Ion: 101 Resp: 1532
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#

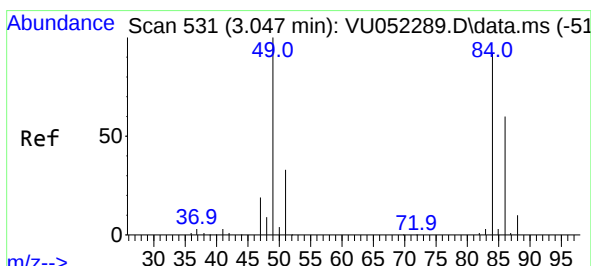
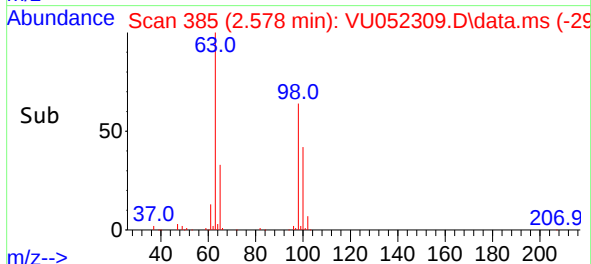
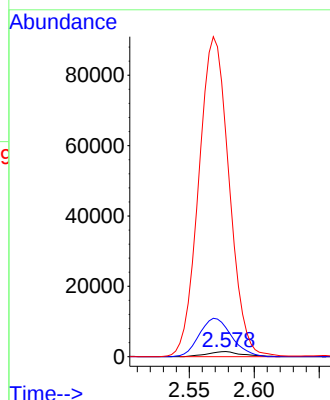
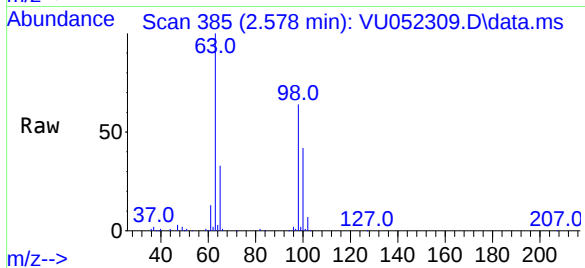




#12
1,1-Dichloroethene
Concen: 0.135 ug/L
RT: 2.578 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU052309.D
Acq: 09 Dec 2022 18:13

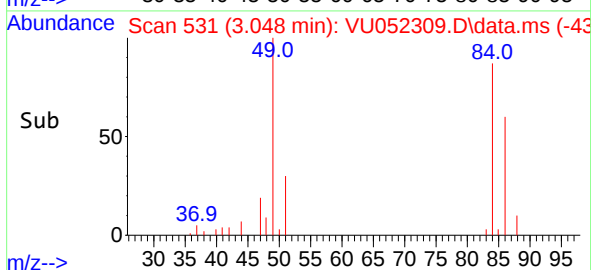
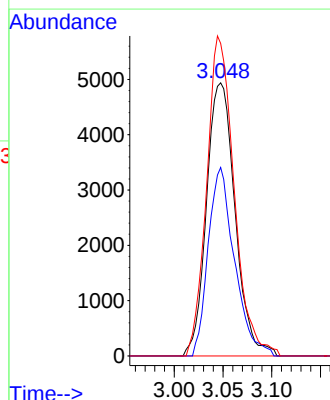
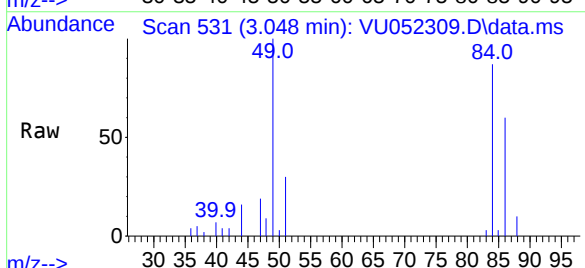
Instrument :
MSVOA_U
ClientSampleId :
COL25DL

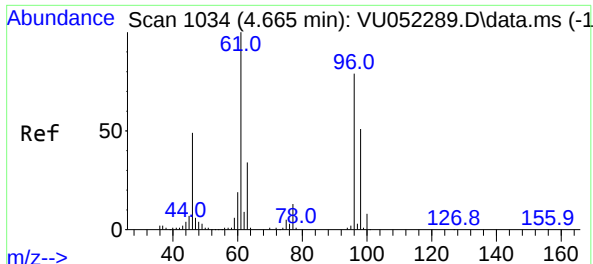
Tgt Ion: 96 Resp: 2687
Ion Ratio Lower Upper
96 100
61 569.4 114.8 213.2#
63 4345.8 93.7 174.1#



#16
Methylene chloride
Concen: 0.374 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052309.D
Acq: 09 Dec 2022 18:13

Tgt Ion: 84 Resp: 10075
Ion Ratio Lower Upper
84 100
86 69.0 43.8 81.4
49 114.4 75.9 141.1

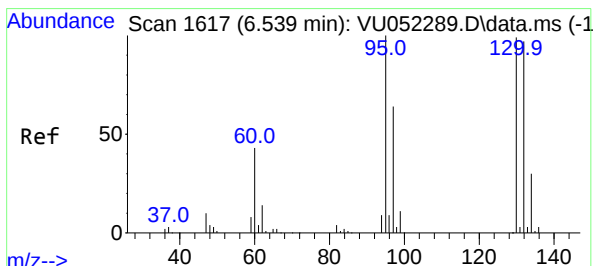
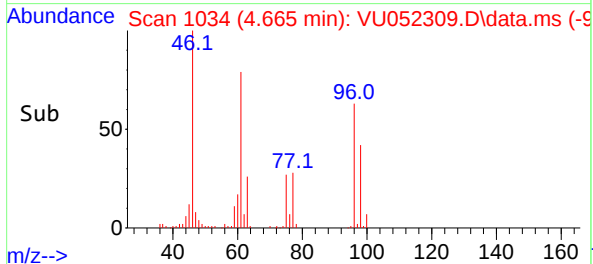
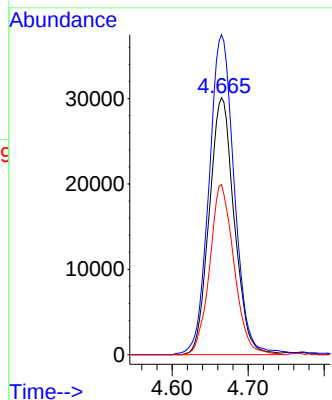
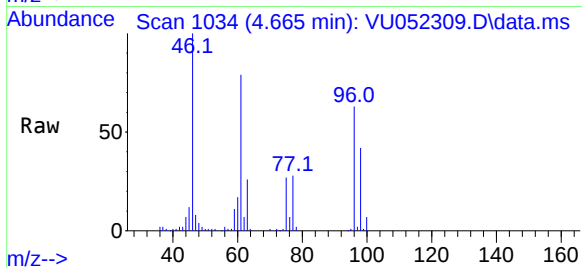




#22
cis-1,2-Dichloroethene
Concen: 3.070 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052309.D
Acq: 09 Dec 2022 18:13

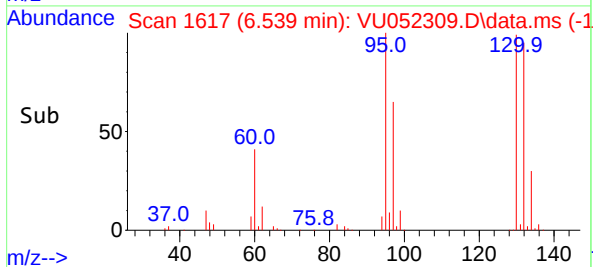
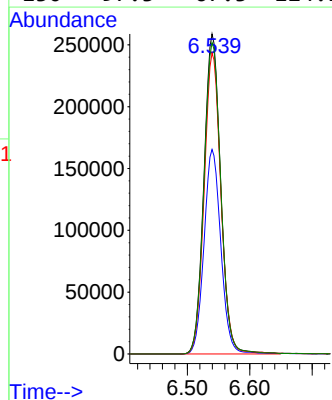
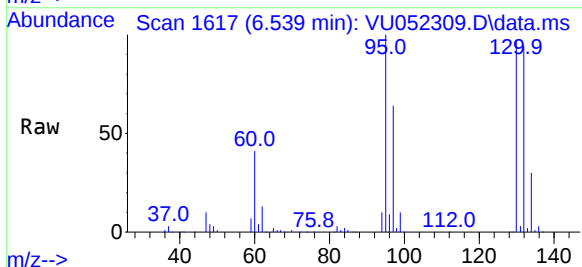
Instrument :
MSVOA_U
ClientSampleId :
COL25DL

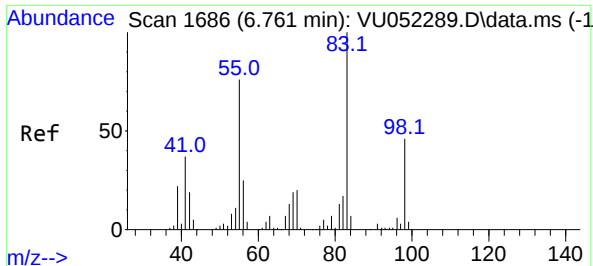
Tgt Ion: 96 Resp: 68767
Ion Ratio Lower Upper
96 100
61 124.5 85.1 158.1
98 66.2 42.8 79.6



#34
Trichloroethene
Concen: 21.227 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052309.D
Acq: 09 Dec 2022 18:13

Tgt Ion: 95 Resp: 483873
Ion Ratio Lower Upper
95 100
97 63.9 43.7 81.1
132 94.0 64.3 119.3
130 97.3 67.3 124.9





#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052309.D

Acq: 09 Dec 2022 18:13

Instrument :

MSVOA_U

ClientSampleId :

COL25DL

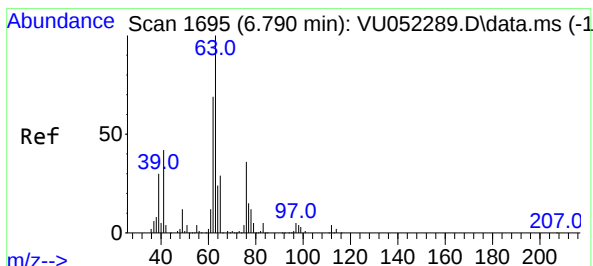
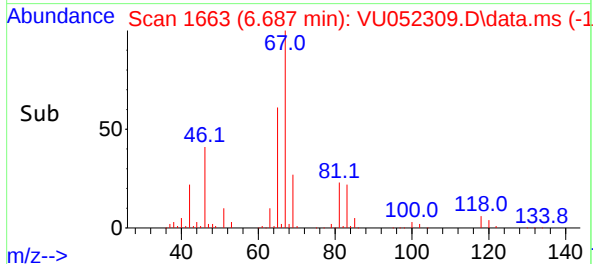
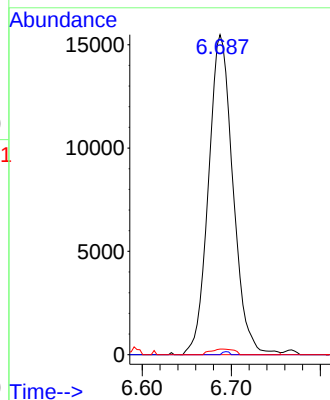
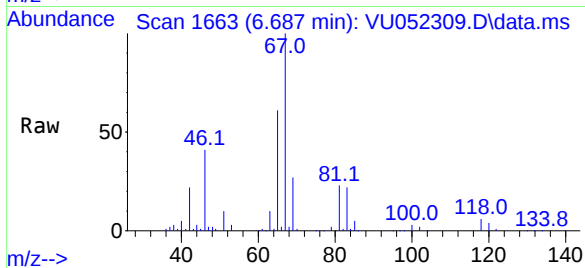
Tgt Ion: 83 Resp: 29587

Ion Ratio Lower Upper

83 100

55 0.3 60.8 91.2#

98 1.7 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.568 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.103 min

Lab File: VU052309.D

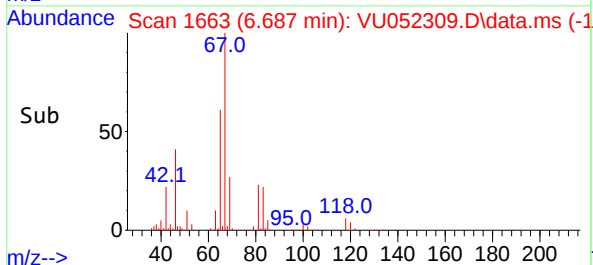
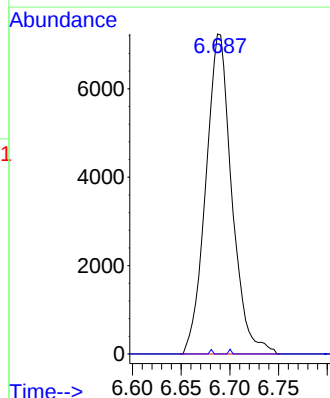
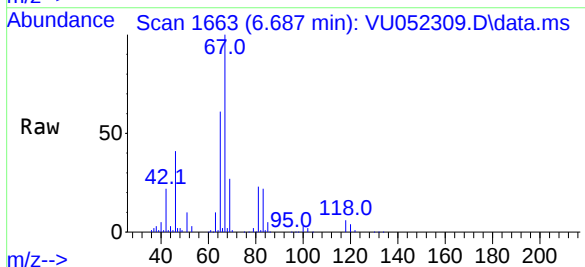
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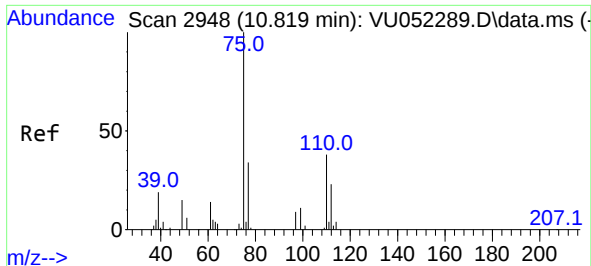
Tgt Ion: 63 Resp: 13440

Ion Ratio Lower Upper

63 100

112 0.1 3.3 4.9#





#61

1,2,3-Trichloropropane

Concen: 1.029 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU052309.D

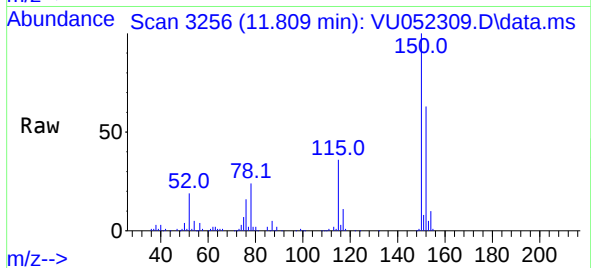
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Tgt Ion: 75 Resp: 13158

Ion Ratio Lower Upper

75 100

110 1.9 28.3 42.5#

77 29.3 26.2 39.2

