

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052531.D
 Acq On : 23 Dec 2022 12:53
 Operator : JC/MD
 Sample : N6188-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL38

Quant Time: Dec 24 03:55:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

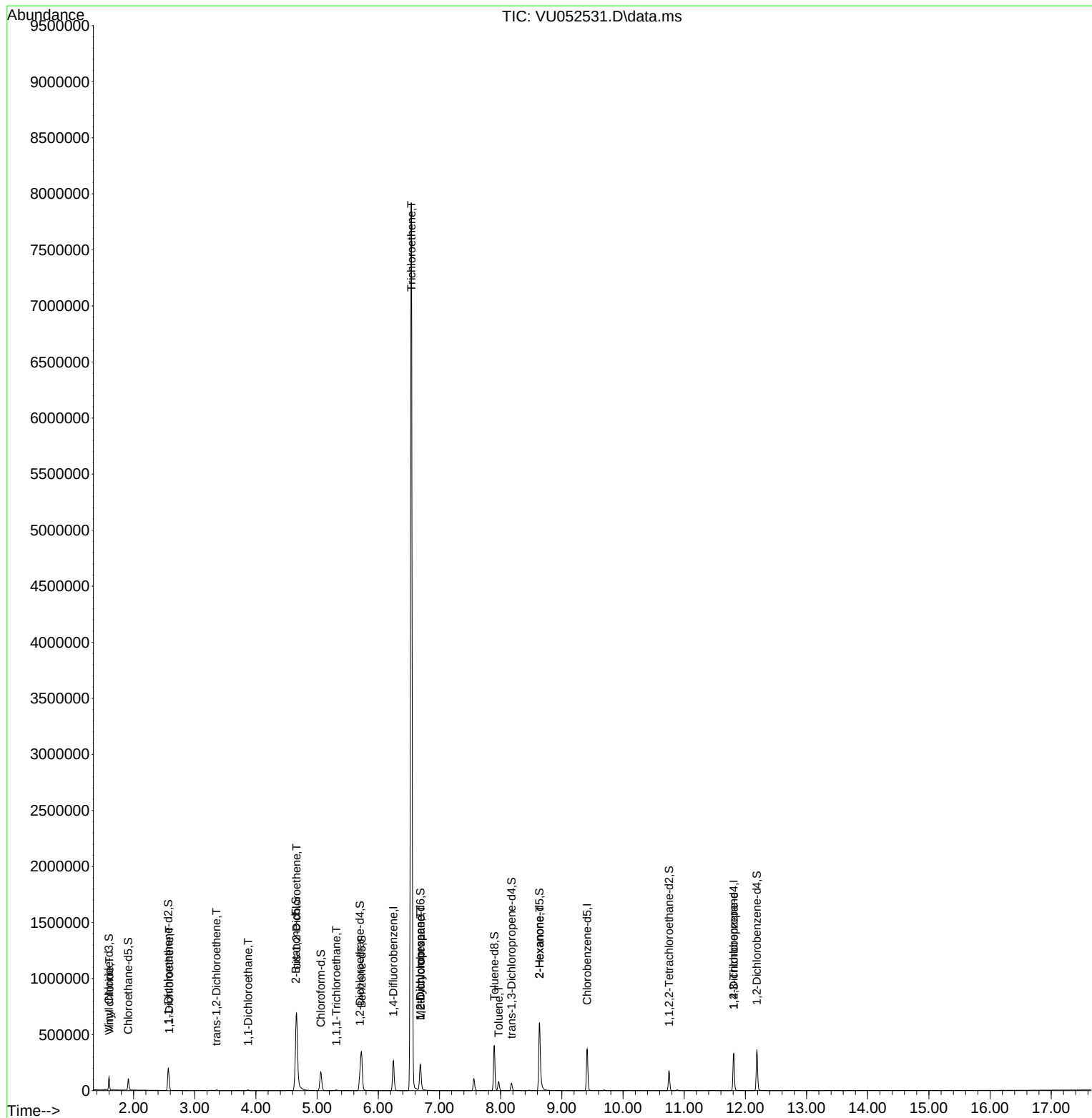
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204726	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	196096	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84995	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78761	3.797	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.912	69	75433	4.217	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.565	65	35799	4.011	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.652	46	321641	50.008	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.020%
24) Chloroform-d	5.060	84	157044	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.700	65	91845	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.726	84	321189	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.687	67	114098	4.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.896	98	259646	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.176	79	37925	4.786	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.632	63	220041	50.751	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.500%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	90485	4.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	91484	5.287	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	7479	0.314	ug/L	91
12) 1,1-Dichloroethene	2.581	96	10746	0.701	ug/L #	1
18) trans-1,2-Dichloroethene	3.353	96	1915	0.121	ug/L	89
19) 1,1-Dichloroethane	3.874	63	8368	0.244	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	303825	17.520	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	4317	0.175	ug/L	98
34) Trichloroethene	6.539	95	2734028	165.576	ug/L	98
35) Methylcyclohexane	6.687	83	25006	1.004	ug/L #	14
37) 1,2-Dichloropropane	6.687	63	11947	0.606	ug/L #	88
42) Toluene	7.967	91	57204	0.845	ug/L	99
48) 2-Hexanone	8.636	43	26974	2.485	ug/L #	77
61) 1,2,3-Trichloropropane	11.809	75	11762	0.965	ug/L #	69

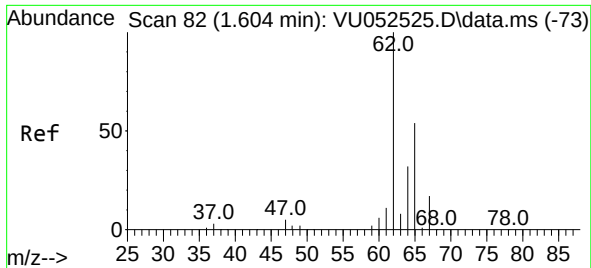
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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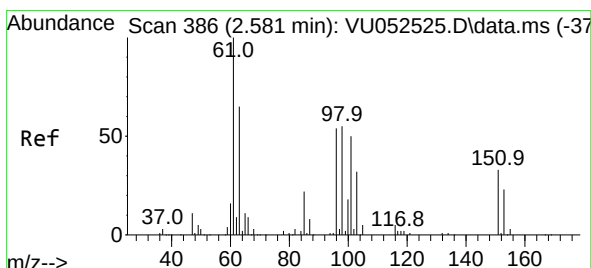
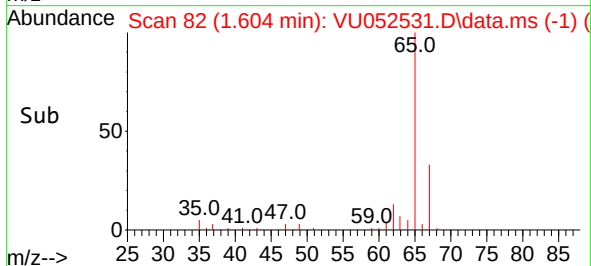
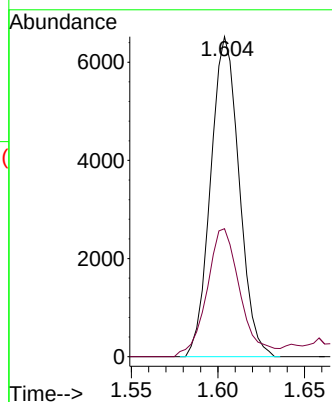
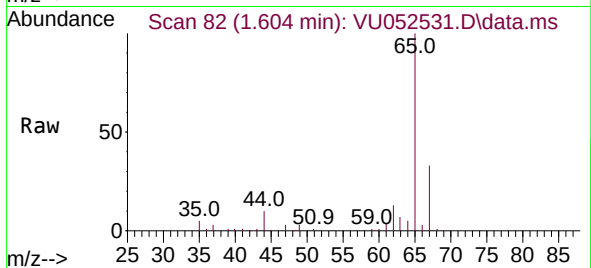




#5
 Vinyl chloride
 Concen: 0.314 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052531.D
 Acq: 23 Dec 2022 12:53

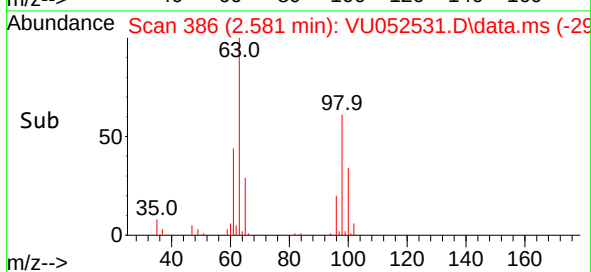
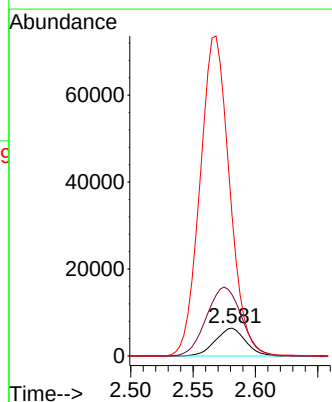
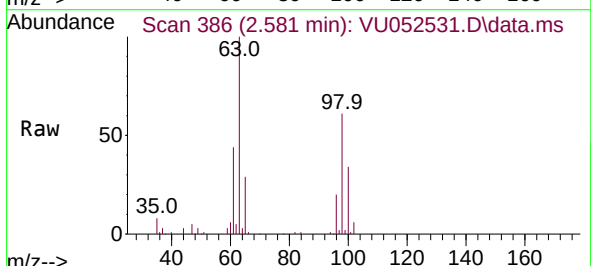
Instrument :
 MSVOA_U
 ClientSampleId :
 COL38

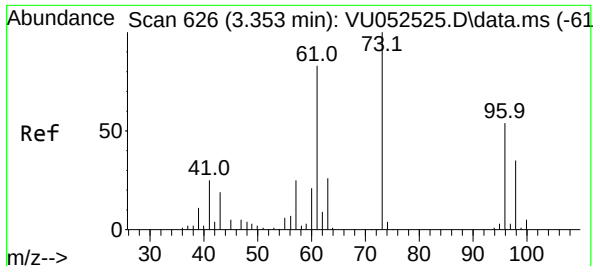
Tgt Ion: 62 Resp: 7479
 Ion Ratio Lower Upper
 62 100
 64 40.0 24.4 45.4



#12
 1,1-Dichloroethene
 Concen: 0.701 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052531.D
 Acq: 23 Dec 2022 12:53

Tgt Ion: 96 Resp: 10746
 Ion Ratio Lower Upper
 96 100
 61 220.3 135.4 251.4
 63 505.6 95.4 177.2#

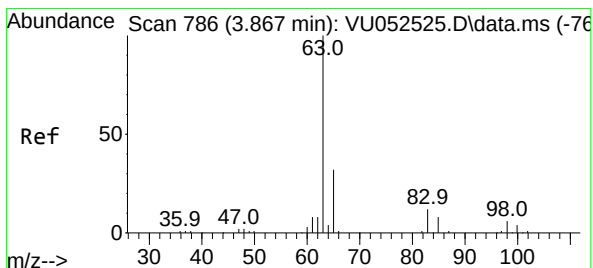
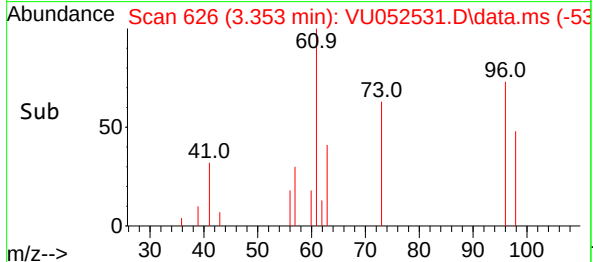
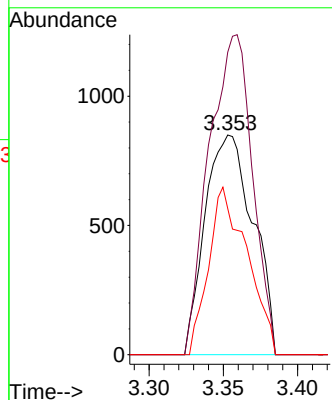
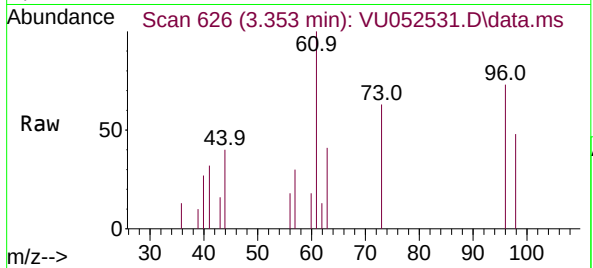




#18
trans-1,2-Dichloroethene
Concen: 0.121 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

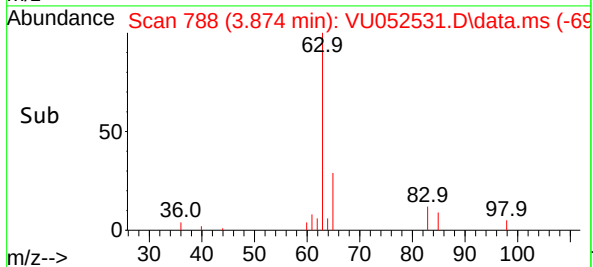
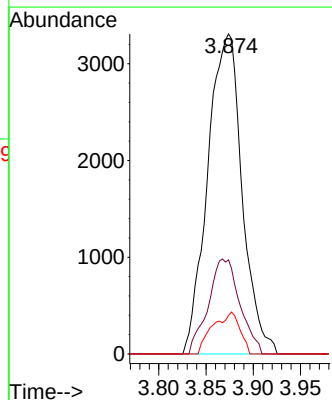
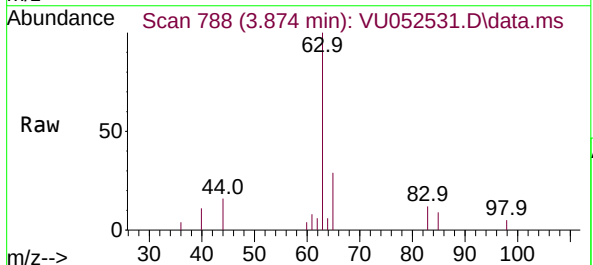
Instrument :
MSVOA_U
ClientSampleId :
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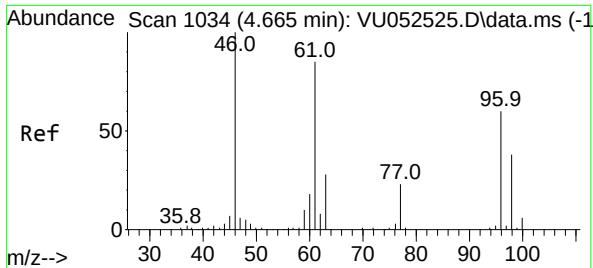
Tgt Ion: 96 Resp: 1915
Ion Ratio Lower Upper
96 100
61 137.6 108.3 201.1
98 66.6 44.0 81.6



#19
1,1-Dichloroethane
Concen: 0.244 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 63 Resp: 8368
Ion Ratio Lower Upper
63 100
65 29.4 22.0 40.8
83 12.0 9.0 16.8

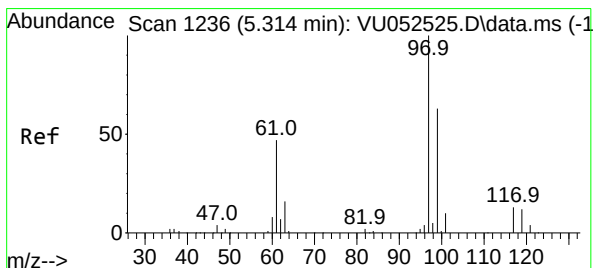
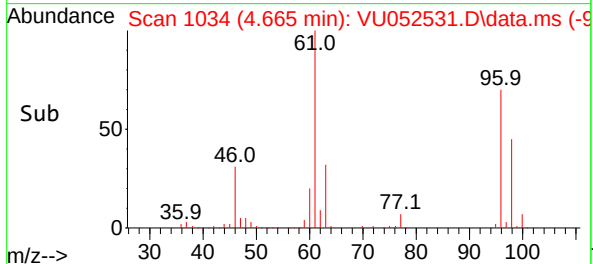
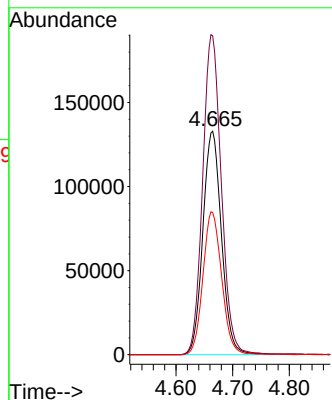
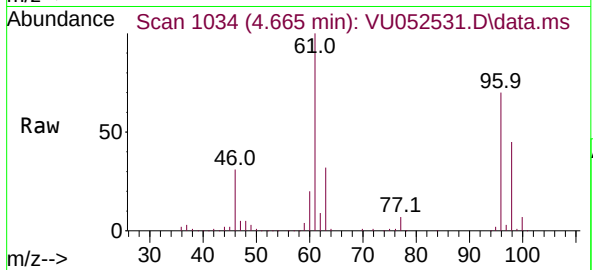




#22
 cis-1,2-Dichloroethene
 Concen: 17.520 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052531.D
 Acq: 23 Dec 2022 12:53

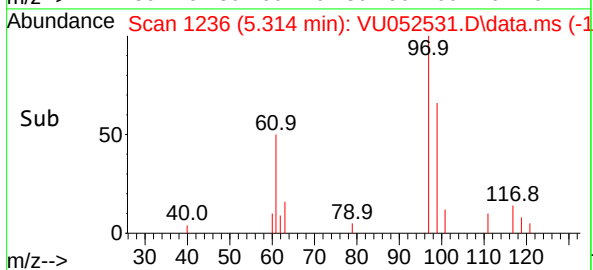
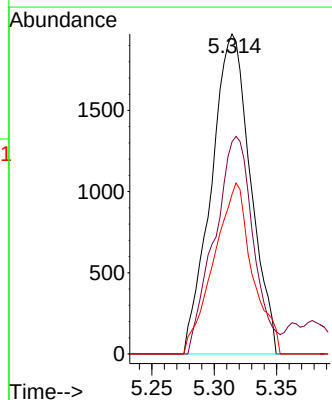
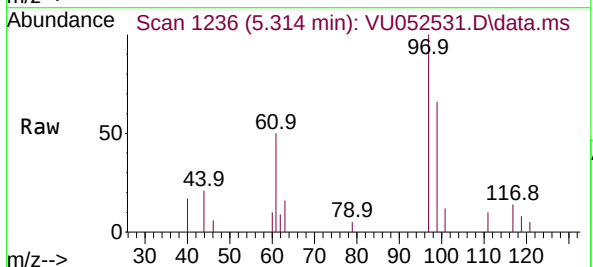
Instrument :
 MSVOA_U
 ClientSampleId :
 COL38

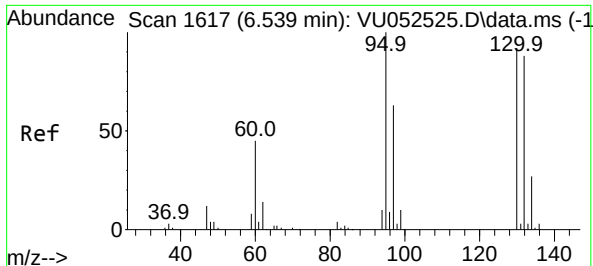
Tgt Ion: 96 Resp: 303825
 Ion Ratio Lower Upper
 96 100
 61 142.7 96.9 180.1
 98 63.6 44.7 83.1



#29
 1,1,1-Trichloroethane
 Concen: 0.175 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: VU052531.D
 Acq: 23 Dec 2022 12:53

Tgt Ion: 97 Resp: 4317
 Ion Ratio Lower Upper
 97 100
 99 67.6 52.2 78.2
 61 52.5 41.6 62.4



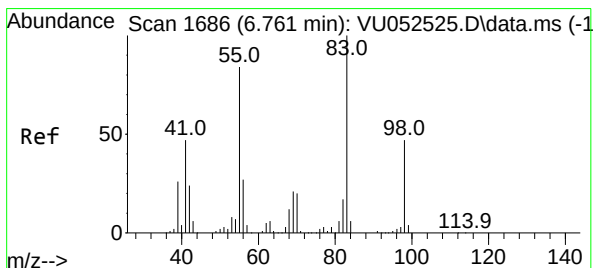
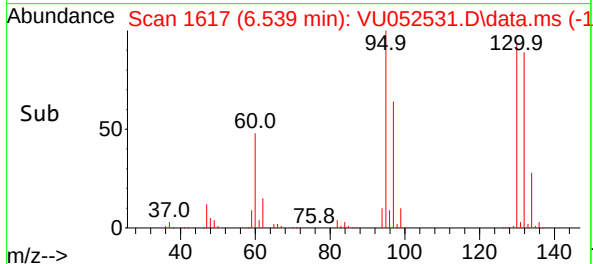
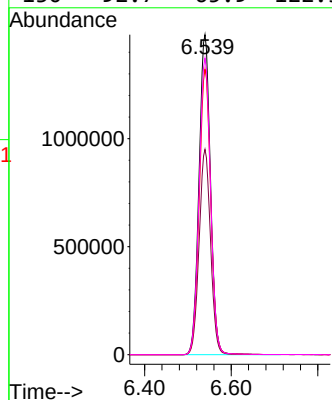
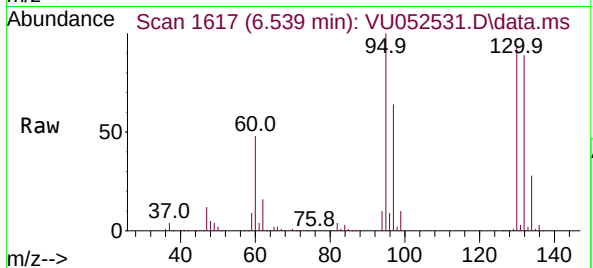


#34
Trichloroethene
Concen: 165.576 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

Instrument :
MSVOA_U
ClientSampleId :
COL38

Tgt Ion: 95 Resp: 2734028

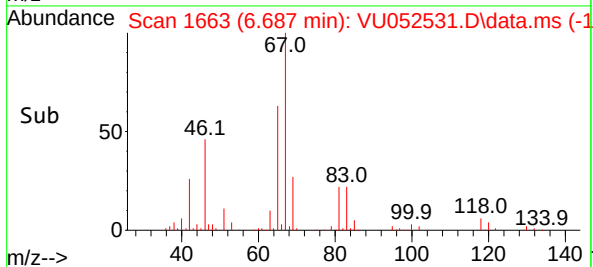
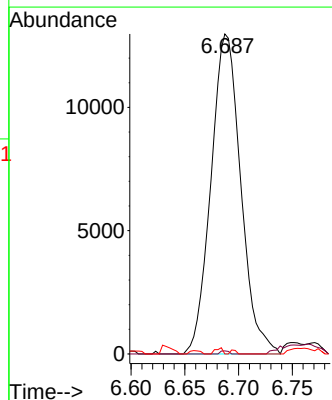
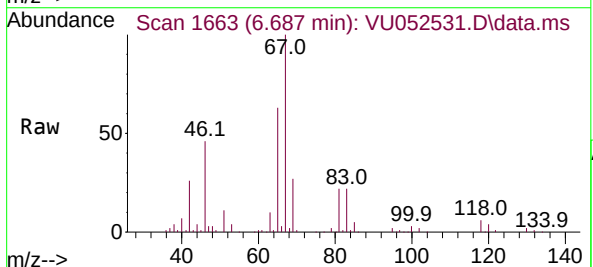
Ion	Ratio	Lower	Upper
95	100		
97	64.1	46.3	86.1
132	89.2	63.9	118.7
130	92.7	65.9	122.5

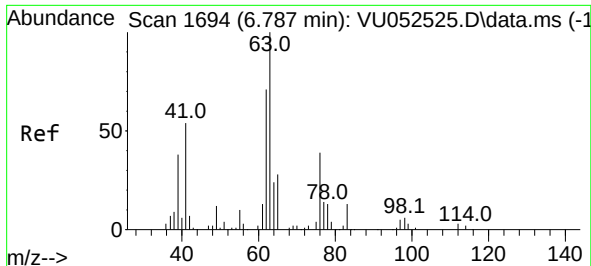


#35
Methylcyclohexane
Concen: 1.004 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 83 Resp: 25006

Ion	Ratio	Lower	Upper
83	100		
55	0.3	71.4	107.0#
98	0.0	36.5	54.7#





#37

1,2-Dichloropropane

Concen: 0.606 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052531.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_U

ClientSampleId :

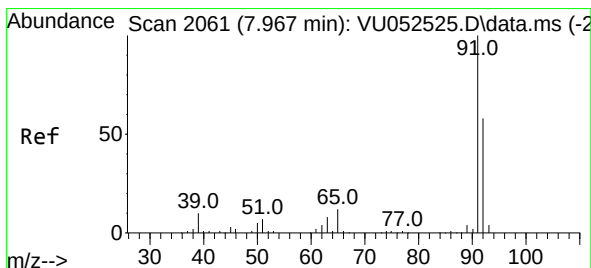
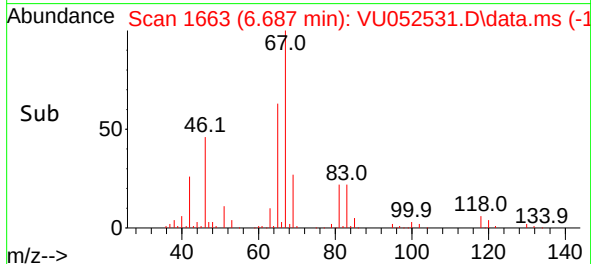
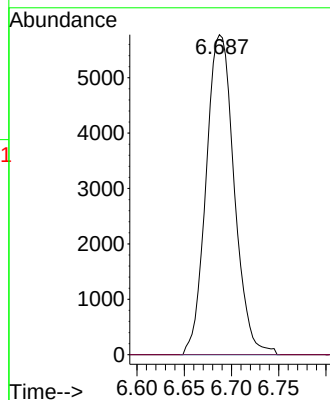
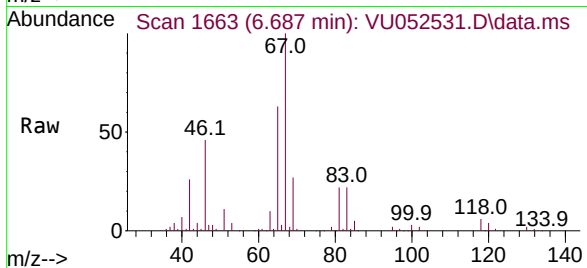
COL38

Tgt Ion: 63 Resp: 11947

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#42

Toluene

Concen: 0.845 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052531.D

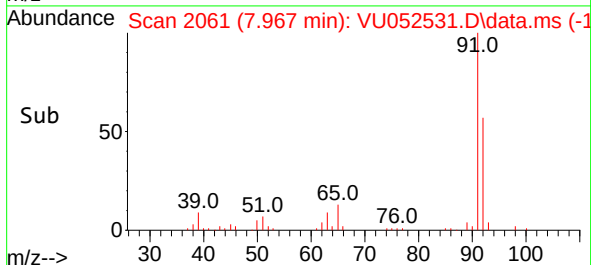
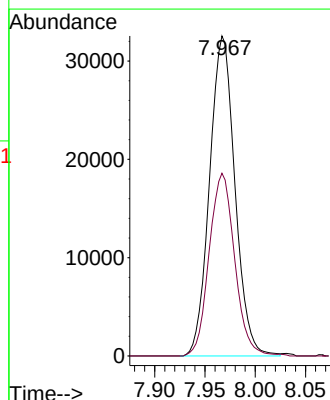
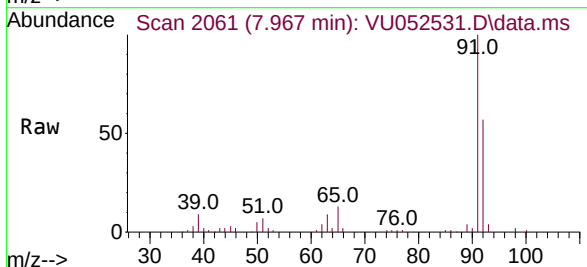
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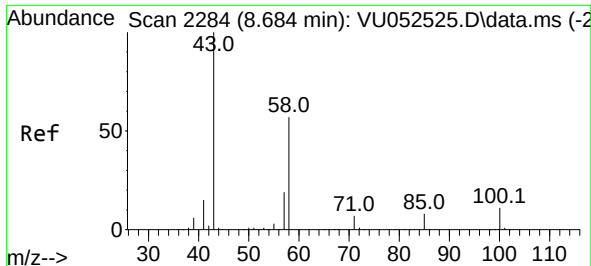
Tgt Ion: 91 Resp: 57204

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



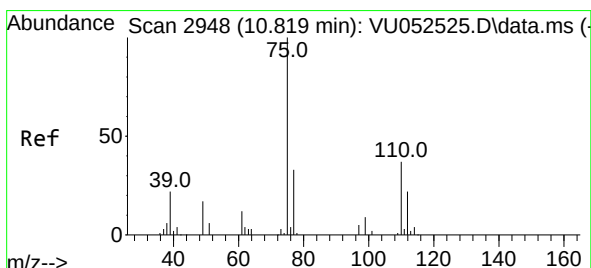
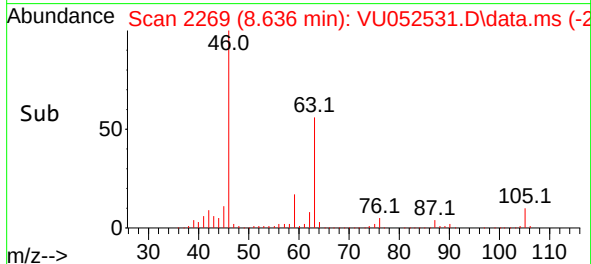
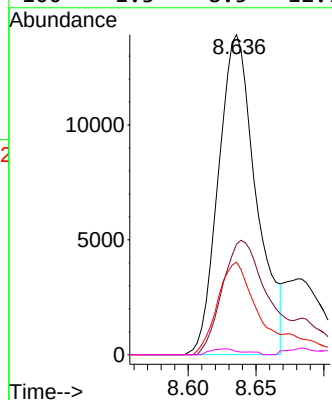
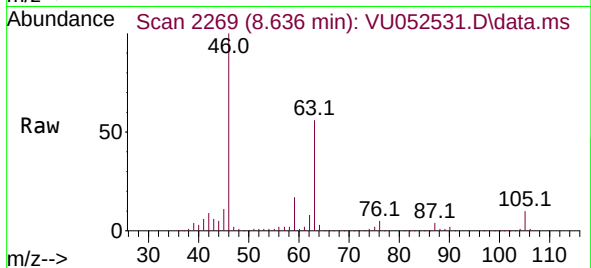


#48
2-Hexanone
Concen: 2.485 ug/L
RT: 8.636 min Scan# 21
Delta R.T. -0.048 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

Instrument :
MSVOA_U
ClientSampleId :
COL38

Tgt Ion: 43 Resp: 26974

Ion	Ratio	Lower	Upper
43	100		
58	43.1	44.1	66.1#
57	35.7	14.6	21.8#
100	1.3	8.5	12.7#



#61
1,2,3-Trichloropropane
Concen: 0.965 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU052531.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 75 Resp: 11762

Ion	Ratio	Lower	Upper
75	100		
110	1.4	27.9	41.9#
77	30.9	25.9	38.9

