

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057302.D
 Acq On : 28 Dec 2023 01:06
 Operator : MD/SY
 Sample : 06021-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 01:50:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:43:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	255294	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	256858	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103237	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	115825	5.277	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.600%		
7) Chloroethane-d5	1.911	69	98754	5.602	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 112.000%		
11) 1,1-Dichloroethene-d2	2.560	65	47447	5.432	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 108.600%		
20) 2-Butanone-d5	4.637	46	287400	57.817	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 115.640%		
24) Chloroform-d	5.055	84	206763	5.298	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.000%		
26) 1,2-Dichloroethane-d4	5.695	65	109852	5.508	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 110.200%		
32) Benzene-d6	5.721	84	386730	5.282	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.600%		
36) 1,2-Dichloropropane-d6	6.682	67	129846	5.659	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 113.200%		
41) Toluene-d8	7.891	98	314720	4.982	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 99.600%		
43) trans-1,3-Dichloroprop...	8.174	79	48365	5.254	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 105.000%		
46) 2-Hexanone-d5	8.631	63	234101	56.145	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 112.280%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	103614	5.377	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 107.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	111279	5.920	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 118.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	126095	5.917	ug/L	97
12) 1,1-Dichloroethene	2.573	96	7072	0.424	ug/L #	1
13) Acetone	2.663	43	24404	7.533	ug/L	87
14) Carbon disulfide	2.789	76	6556	0.138	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	2246	0.136	ug/L	78
19) 1,1-Dichloroethane	3.862	63	64773	1.862	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	122556	6.404	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	259762	7.985	ug/L	100
31) Carbon tetrachloride	5.309	117	32572	1.194	ug/L	99
34) Trichloroethene	6.534	95	1111009	56.344	ug/L	97
35) Methylcyclohexane	6.682	83	30409	1.181	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	13705	0.666	ug/L #	91
39) cis-1,3-Dichloropropene	7.563	75	3298	0.117	ug/L #	59
42) Toluene	7.968	91	21813	0.274	ug/L	97
48) 2-Hexanone	8.627	43	58407	7.552	ug/L #	69
61) 1,2,3-Trichloropropane	11.807	75	12673	1.176	ug/L #	66

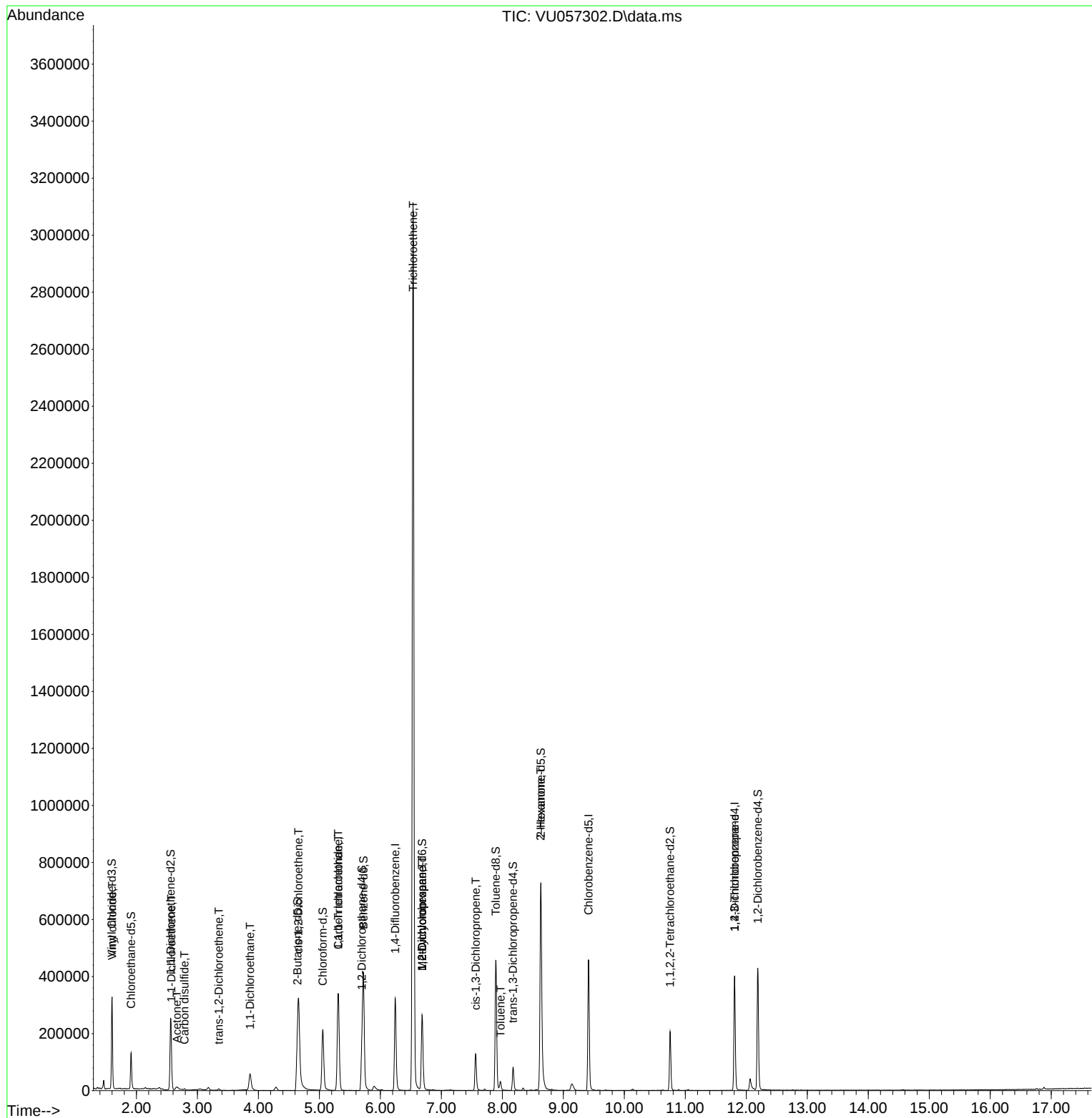
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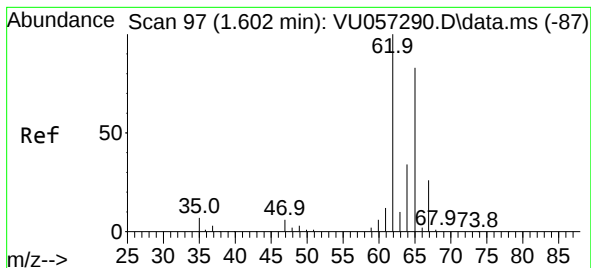
Instrument :
MSVOA_U
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 28 00:43:53 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.917 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057302.D

Acq: 28 Dec 2023 01:06

Instrument :

MSVOA_U

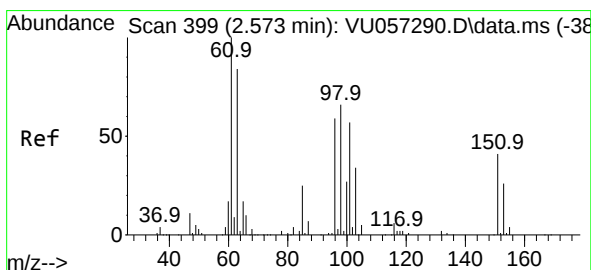
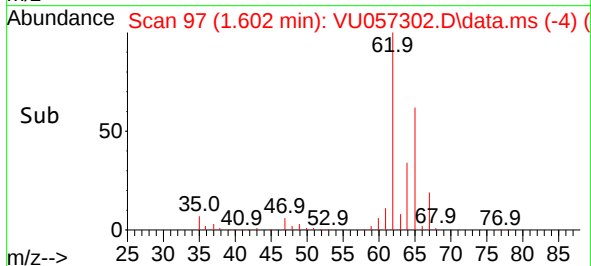
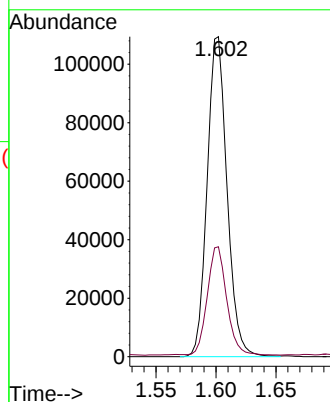
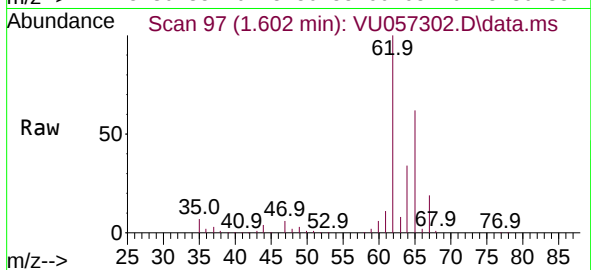
ClientSampleId :

Tgt Ion: 62 Resp: 126095

Ion Ratio Lower Upper

62 100

64 34.3 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.424 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU057302.D

Acq: 28 Dec 2023 01:06

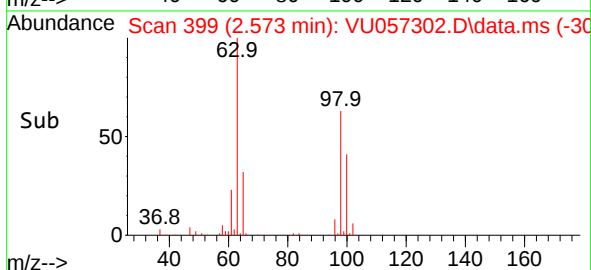
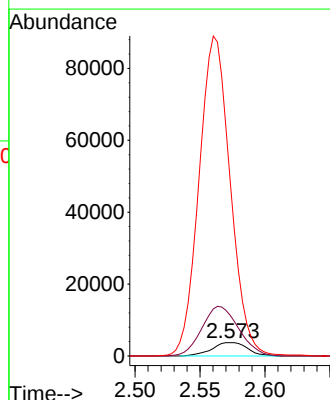
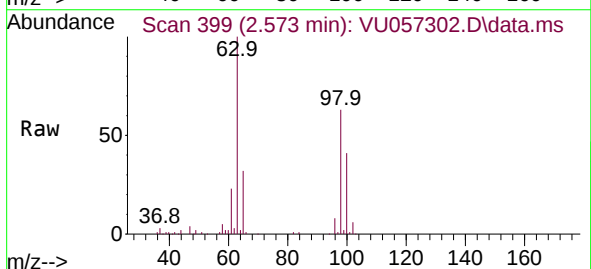
Tgt Ion: 96 Resp: 7072

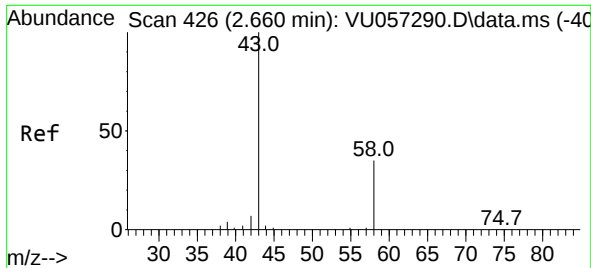
Ion Ratio Lower Upper

96 100

61 305.1 122.2 226.9#

63 1317.7 99.2 184.2#





#13

Acetone

Concen: 7.533 ug/L

RT: 2.663 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU057302.D

Acq: 28 Dec 2023 01:06

Instrument :

MSVOA_U

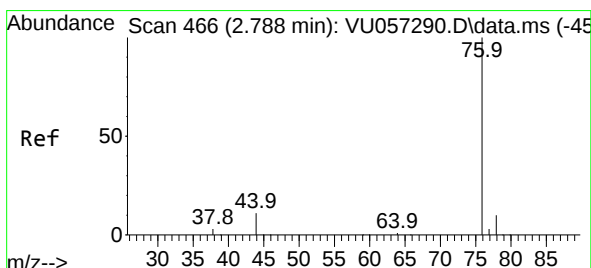
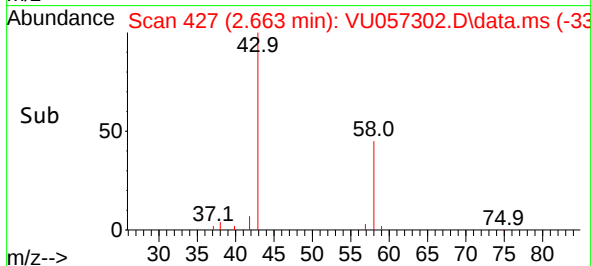
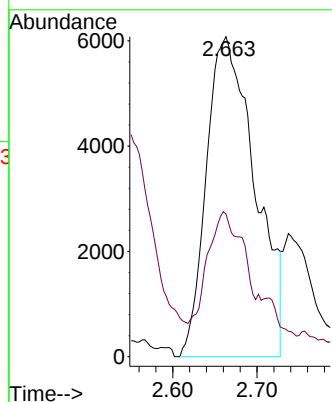
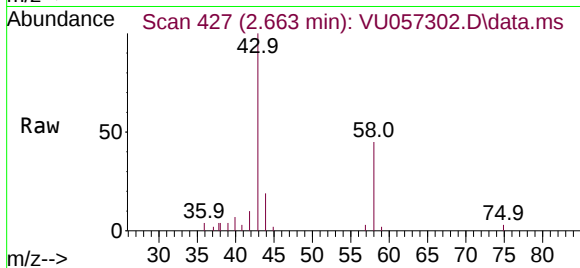
ClientSampleId :

Tgt Ion: 43 Resp: 24404

Ion Ratio Lower Upper

43 100

58 26.1 0.0 67.2



#14

Carbon disulfide

Concen: 0.138 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057302.D

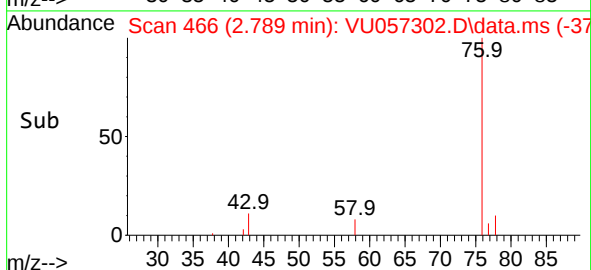
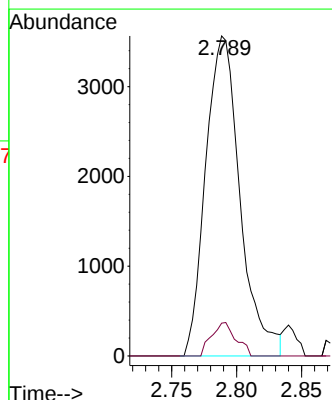
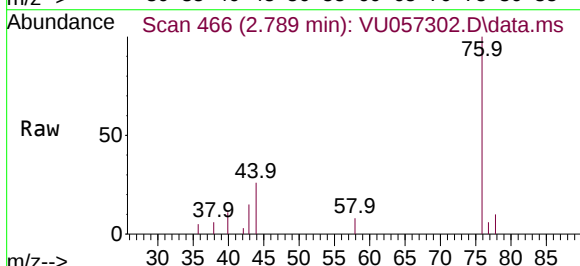
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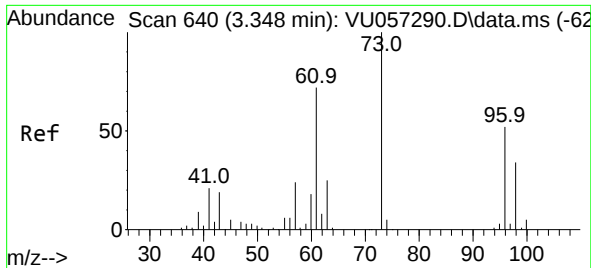
Tgt Ion: 76 Resp: 6556

Ion Ratio Lower Upper

76 100

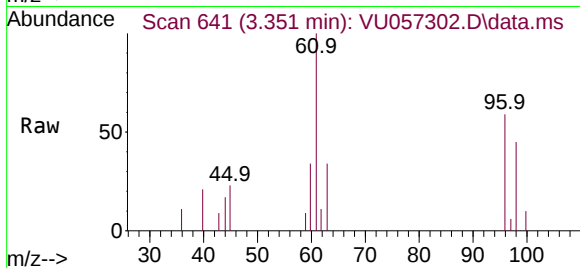
78 10.2 7.3 10.9



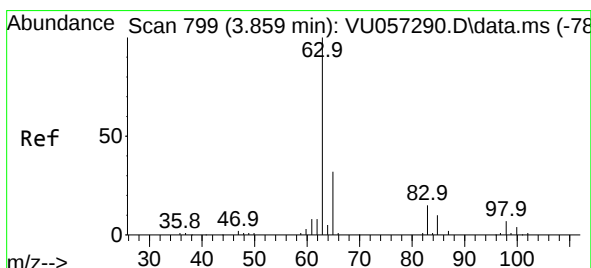
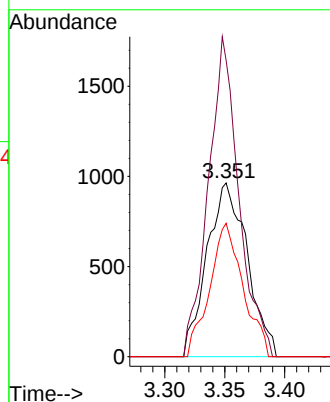
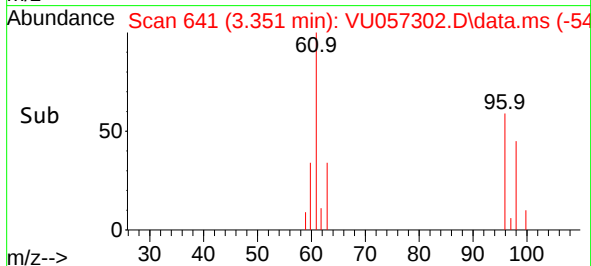


#18
 trans-1,2-Dichloroethene
 Concen: 0.136 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU057302.D
 Acq: 28 Dec 2023 01:06

Instrument :
 MSVOA_U
 ClientSampleId :

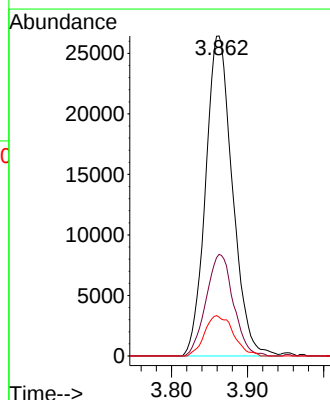
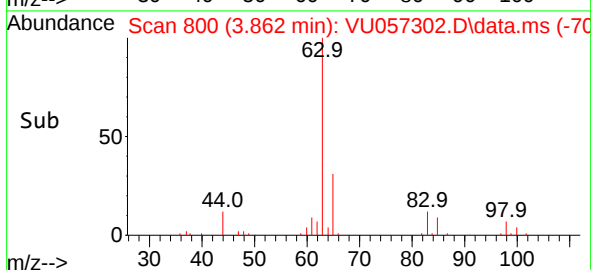
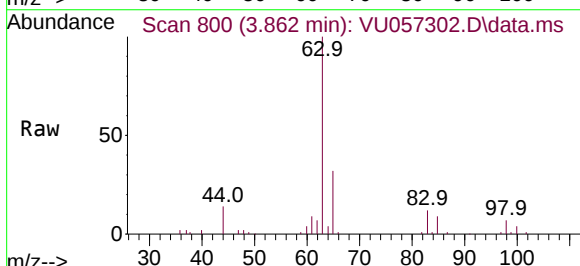


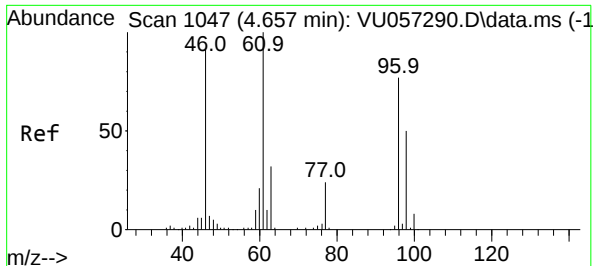
Tgt Ion: 96 Resp: 2246
 Ion Ratio Lower Upper
 96 100
 61 170.5 97.5 181.1
 98 76.8 45.9 85.3



#19
 1,1-Dichloroethane
 Concen: 1.862 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. 0.003 min
 Lab File: VU057302.D
 Acq: 28 Dec 2023 01:06

Tgt Ion: 63 Resp: 64773
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.6 43.8
 83 12.2 9.8 18.2

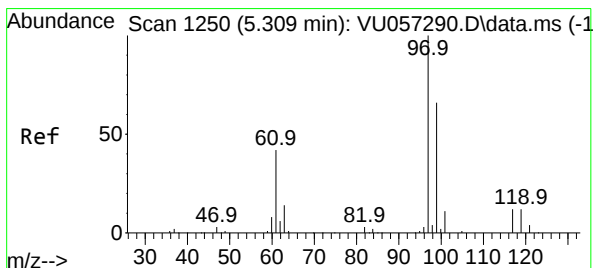
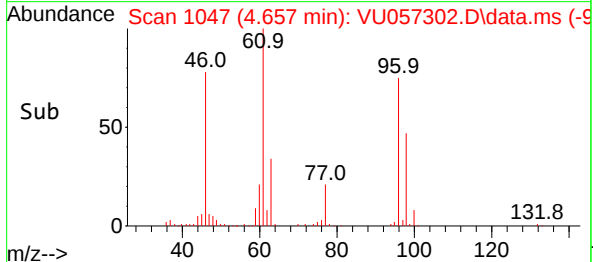
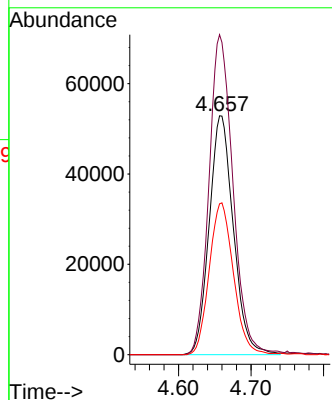
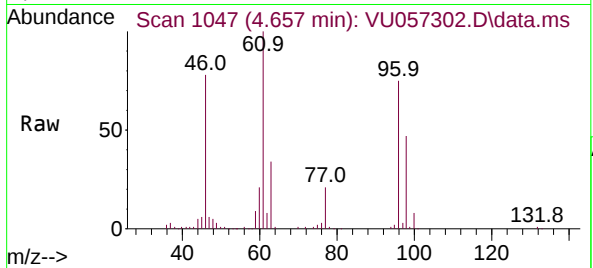




#22
 cis-1,2-Dichloroethene
 Concen: 6.404 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU057302.D
 Acq: 28 Dec 2023 01:06

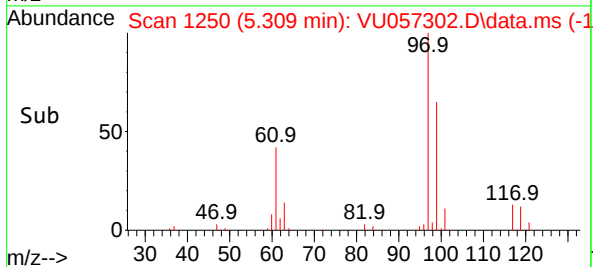
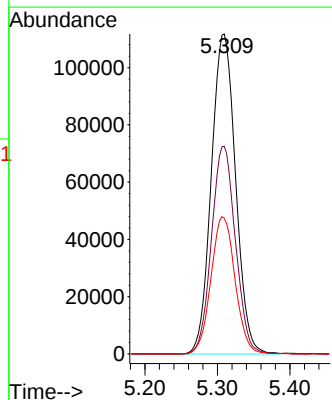
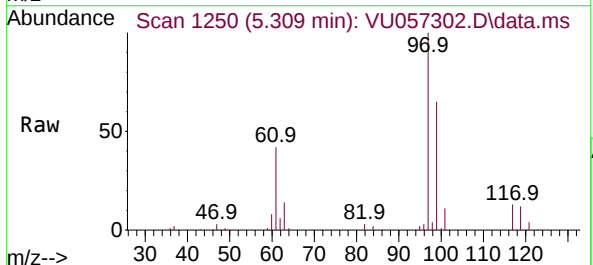
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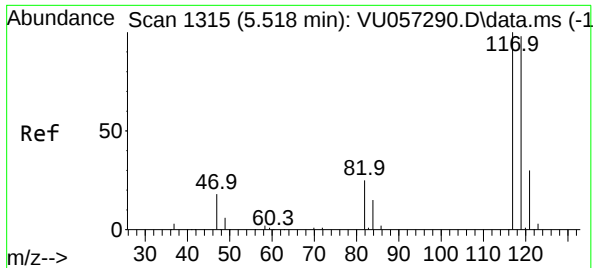
Tgt Ion: 96 Resp: 122556
 Ion Ratio Lower Upper
 96 100
 61 133.9 91.1 169.3
 98 63.1 42.6 79.0



#29
 1,1,1-Trichloroethane
 Concen: 7.985 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. 0.000 min
 Lab File: VU057302.D
 Acq: 28 Dec 2023 01:06

Tgt Ion: 97 Resp: 259762
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.7 77.5
 61 42.7 34.1 51.1

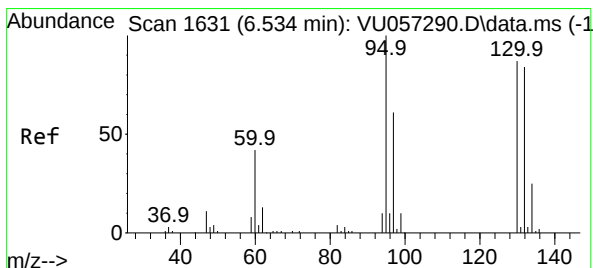
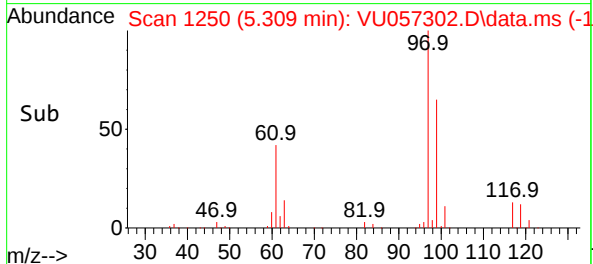
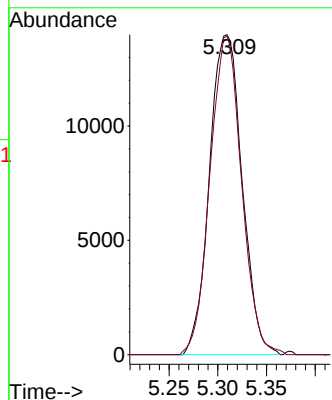
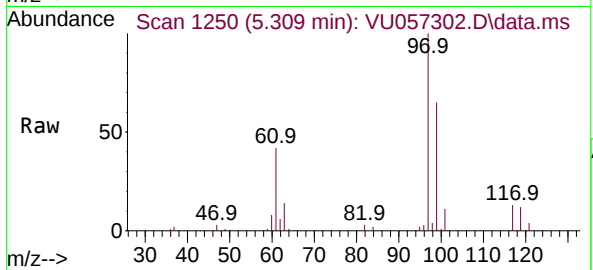




#31
Carbon tetrachloride
Concen: 1.194 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06

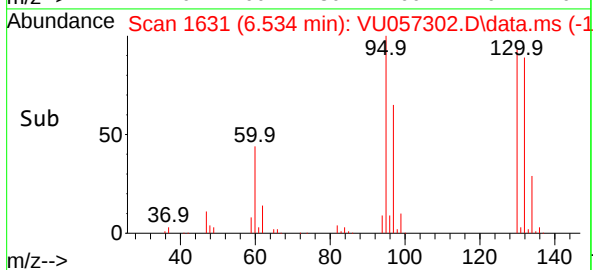
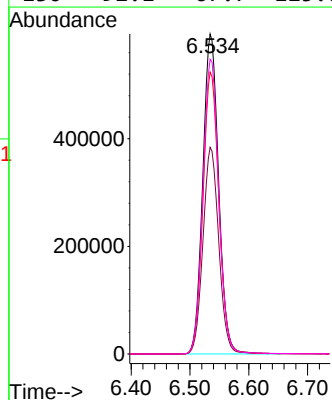
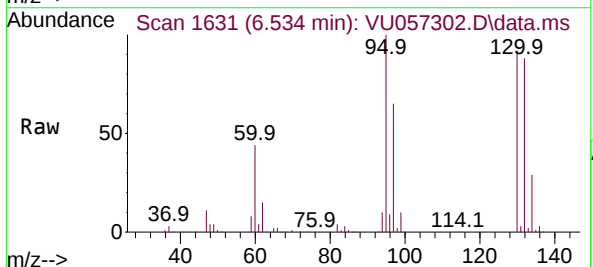
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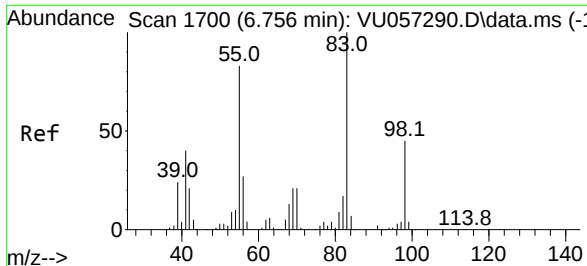
Tgt Ion:117 Resp: 32572
Ion Ratio Lower Upper
117 100
119 96.5 76.7 115.1



#34
Trichloroethene
Concen: 56.344 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06

Tgt Ion: 95 Resp: 1111009
Ion Ratio Lower Upper
95 100
97 64.5 45.3 84.1
132 88.1 63.1 117.3
130 92.1 67.7 125.7

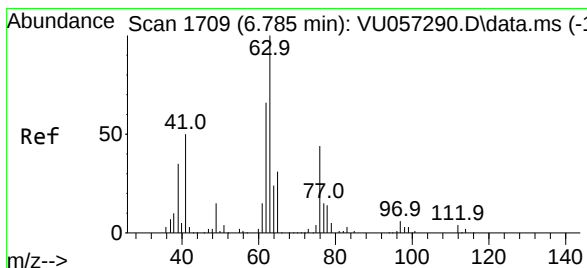
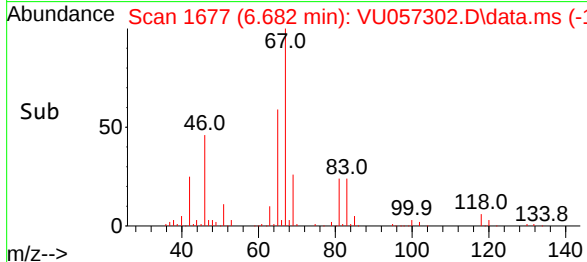
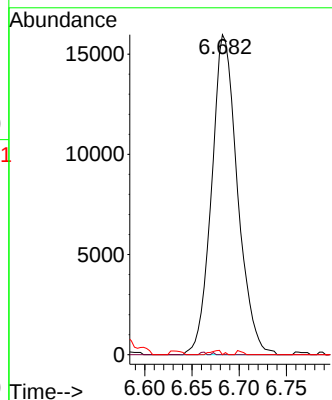
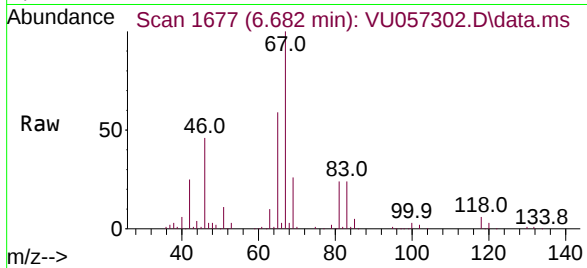




#35
Methylcyclohexane
Concen: 1.181 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06

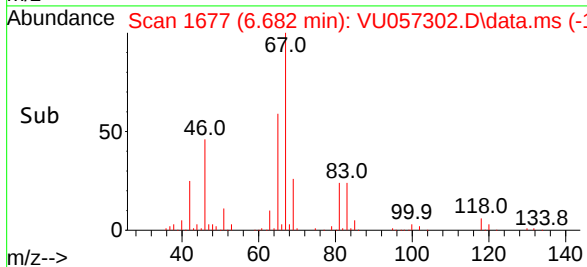
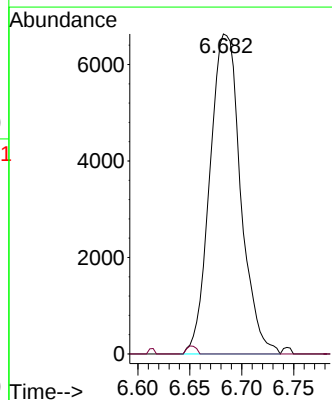
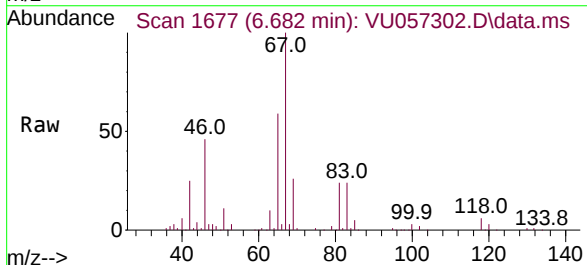
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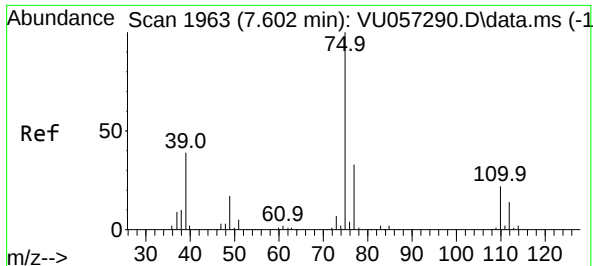
Tgt Ion: 83 Resp: 30409
Ion Ratio Lower Upper
83 100
55 0.1 65.4 98.2#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.666 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06

Tgt Ion: 63 Resp: 13705
Ion Ratio Lower Upper
63 100
112 0.8 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.563 min Scan# 1963

Delta R.T. -0.039 min

Lab File: VU057302.D

Acq: 28 Dec 2023 01:06

Instrument :

MSVOA_U

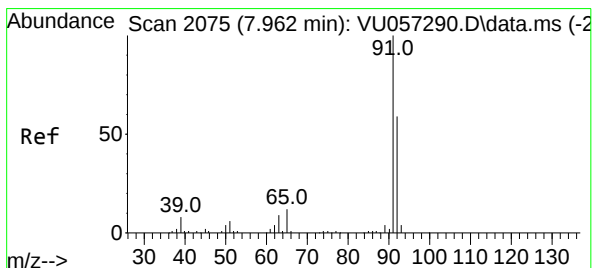
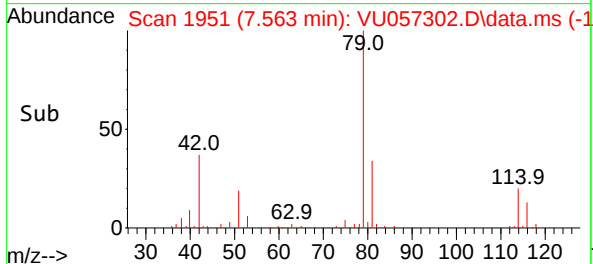
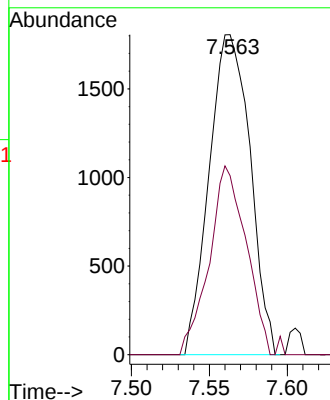
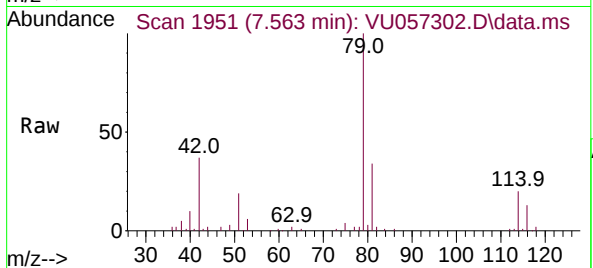
ClientSampleId :

Tgt Ion: 75 Resp: 3298

Ion Ratio Lower Upper

75 100

77 55.9 23.0 42.8#



#42

Toluene

Concen: 0.274 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU057302.D

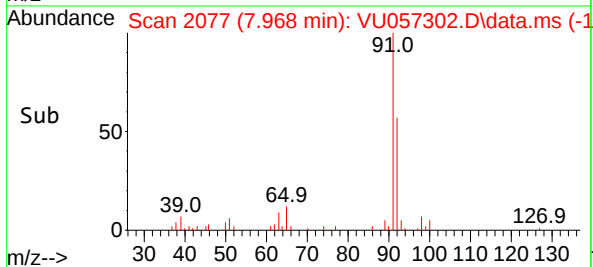
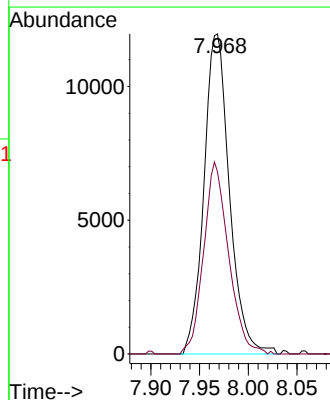
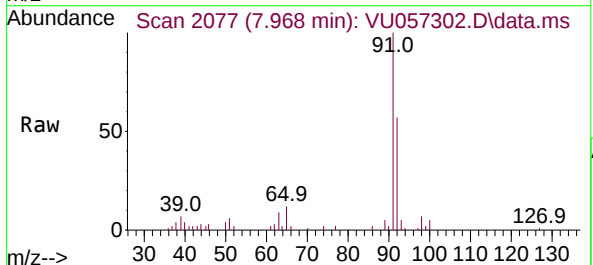
Acq: 28 Dec 2023 01:06

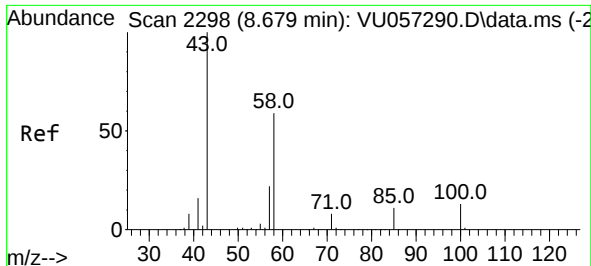
Tgt Ion: 91 Resp: 21813

Ion Ratio Lower Upper

91 100

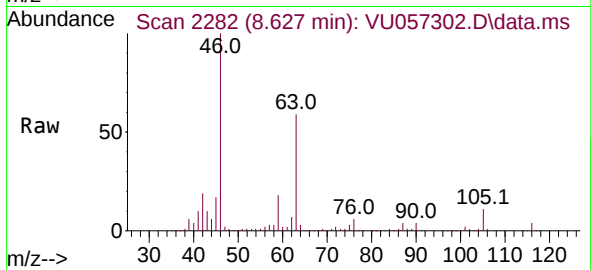
92 57.0 41.6 77.2



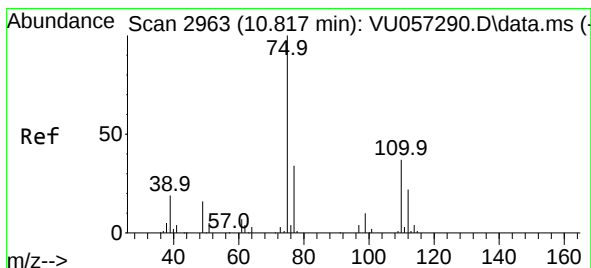
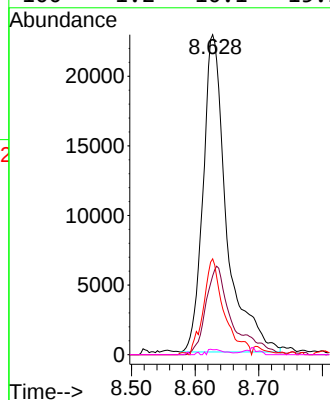
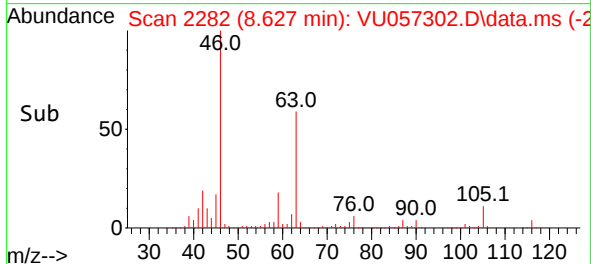


#48
2-Hexanone
Concen: 7.552 ug/L
RT: 8.627 min Scan# 21
Delta R.T. -0.051 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06

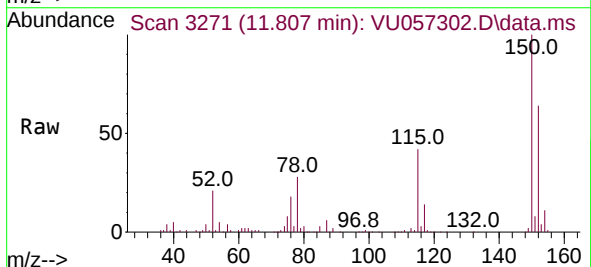
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 58407
Ion Ratio Lower Upper
43 100
58 31.0 48.4 72.6#
57 26.4 17.4 26.2#
100 1.2 10.1 15.1#



#61
1,2,3-Trichloropropane
Concen: 1.176 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU057302.D
Acq: 28 Dec 2023 01:06



Tgt Ion: 75 Resp: 12673
Ion Ratio Lower Upper
75 100
110 1.9 29.0 43.6#
77 34.9 25.4 38.2

