

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011025\
 Data File : VU062685.D
 Acq On : 10 Jan 2025 15:37
 Operator : MD/SY
 Sample : Q1058-08
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 22:45:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 10 22:42:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.306	114	97869	5.000	ug/L	0.07
28) Chlorobenzene-d5	9.422	117	90831	5.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.807	152	45104	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.640	65	21862	4.033	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.975	69	18802	4.312	ug/L	0.07
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.624	65	12050	4.291	ug/L	0.07
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.800%
20) 2-Butanone-d5	4.769	46	48877	44.120	ug/L	0.16
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.240%
24) Chloroform-d	5.161	84	64031	4.801	ug/L	0.11
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.779	65	36981	5.112	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.798	84	111385	5.017	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.737	67	32069	5.209	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.923	98	106700	4.933	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	8.200	79	15402	5.019	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.400%
46) 2-Hexanone-d5	8.650	63	49222	51.001	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	24614	4.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	41229	5.494	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.647	62	29170	4.140	ug/L	99
12) 1,1-Dichloroethene	2.637	96	2391	0.394	ug/L #	1
13) Acetone	2.795	43	113554	129.393	ug/L	93
15) Methyl Acetate	2.795	43	121552	63.969	ug/L #	44
21) 2-Butanone	4.849	43	608650	520.759	ug/L	98
22) cis-1,2-Dichloroethene	4.740	96	71679	10.112	ug/L	98
34) Trichloroethene	6.589	95	9326	1.046	ug/L	95
35) Methylcyclohexane	6.737	83	8834	0.805	ug/L #	73
37) 1,2-Dichloropropane	6.737	63	4045	0.657	ug/L #	85
39) cis-1,3-Dichloropropene	7.595	75	1264	0.121	ug/L #	70
40) 4-Methyl-2-pentanone	8.007	43	129170	44.917	ug/L #	32
44) trans-1,3-Dichloropropene	8.007	75	305765	33.839	ug/L #	1
45) 1,1,2-Trichloroethane	8.123	97	668	0.134	ug/L #	14
52) Ethylbenzene	9.579	91	2800	0.086	ug/L	87
61) 1,2,3-Trichloropropane	11.804	75	4547	1.137	ug/L #	59
63) 1,2,4-Trimethylbenzene	11.470	105	1619	0.063	ug/L #	82

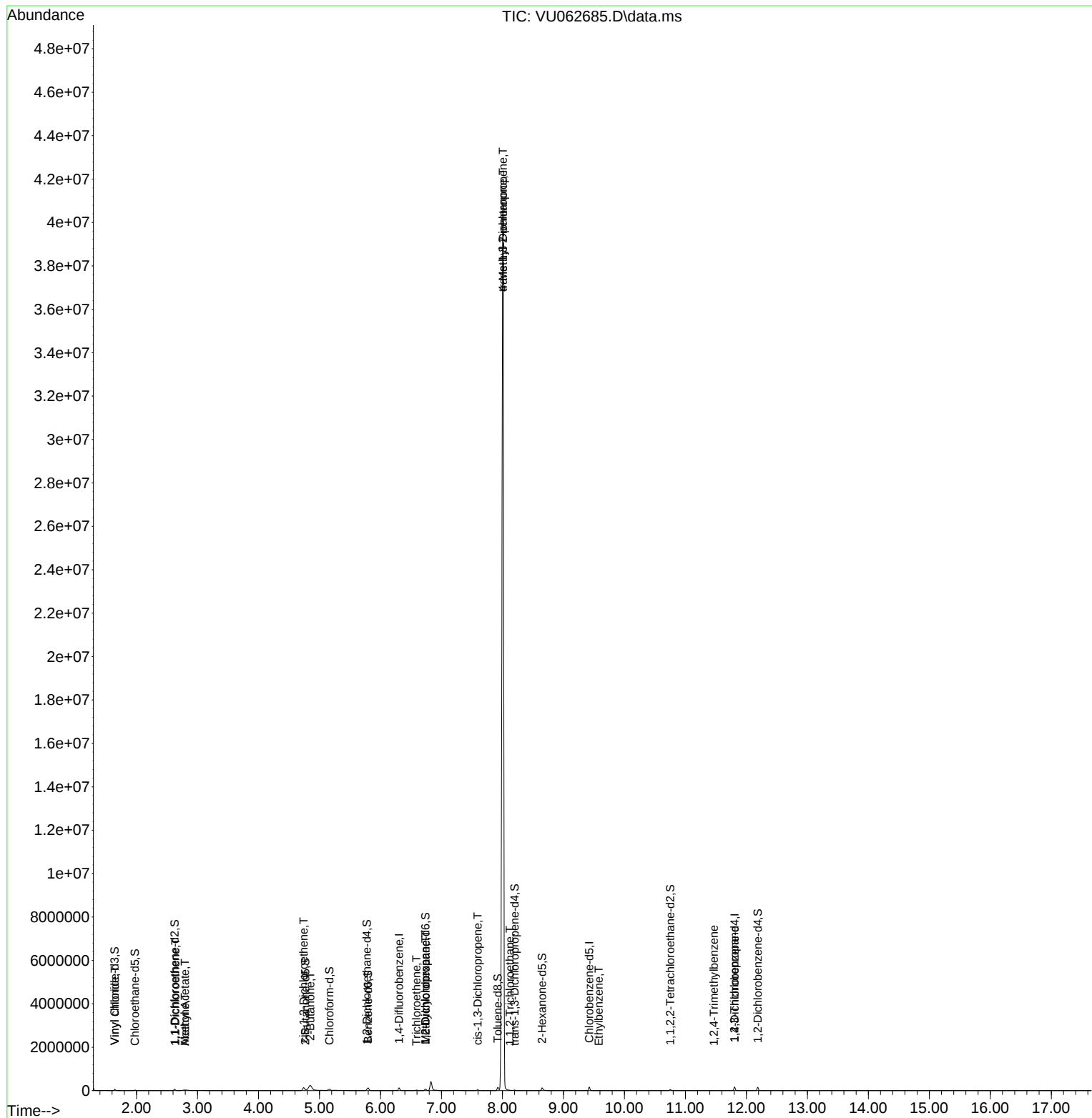
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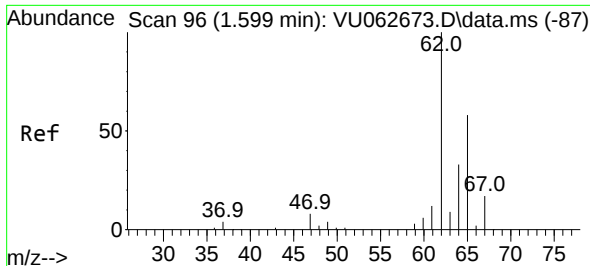
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011025\
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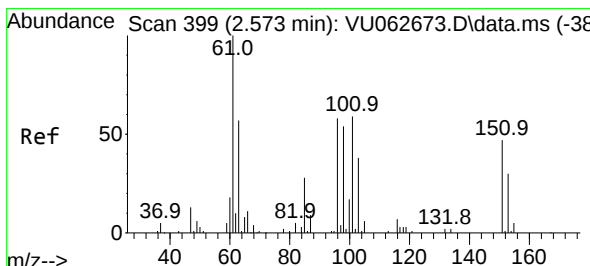
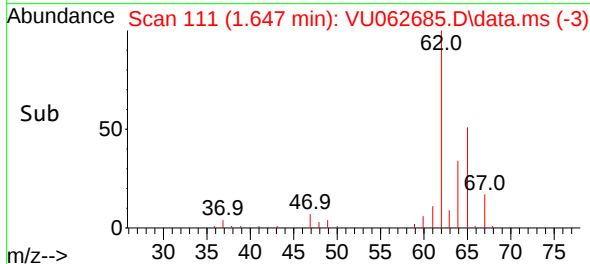
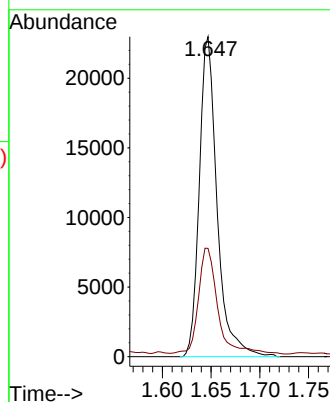
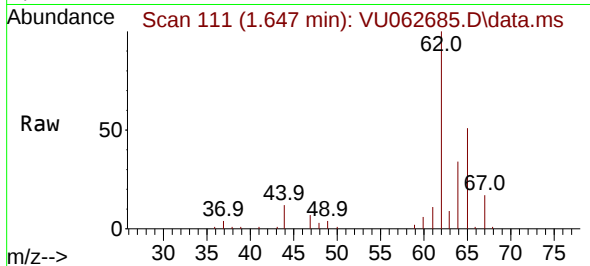




#5
 Vinyl chloride
 Concen: 4.140 ug/L
 RT: 1.647 min Scan# 11
 Delta R.T. 0.048 min
 Lab File: VU062685.D
 Acq: 10 Jan 2025 15:37

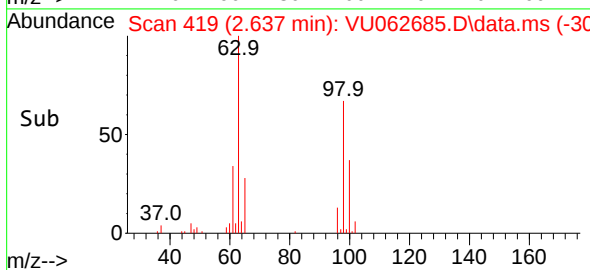
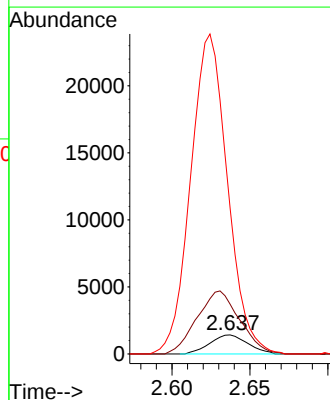
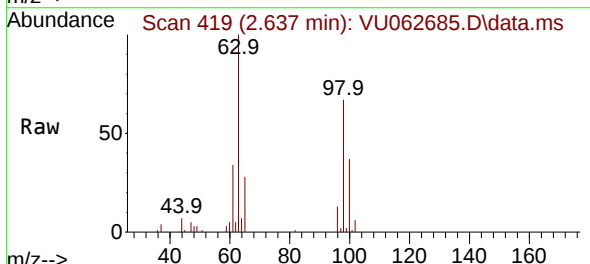
Instrument :
 MSVOA_U
 ClientSampleId :

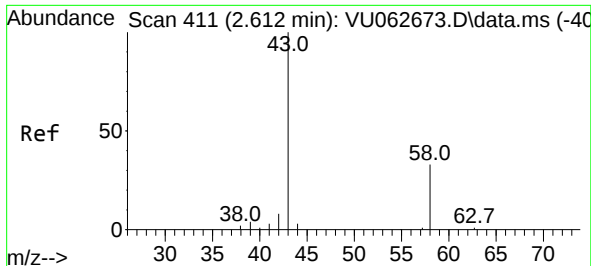
Tgt Ion: 62 Resp: 29170
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 0.394 ug/L
 RT: 2.637 min Scan# 419
 Delta R.T. 0.064 min
 Lab File: VU062685.D
 Acq: 10 Jan 2025 15:37

Tgt Ion: 96 Resp: 2391
 Ion Ratio Lower Upper
 96 100
 61 260.8 120.4 223.6#
 63 764.3 82.3 152.9#





#13

Acetone

Concen: 129.393 ug/L

RT: 2.795 min Scan# 411

Delta R.T. 0.183 min

Lab File: VU062685.D

Acq: 10 Jan 2025 15:37

Instrument :

MSVOA_U

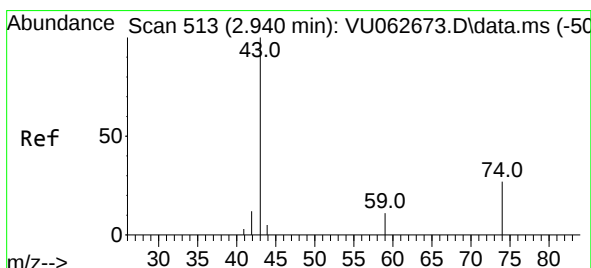
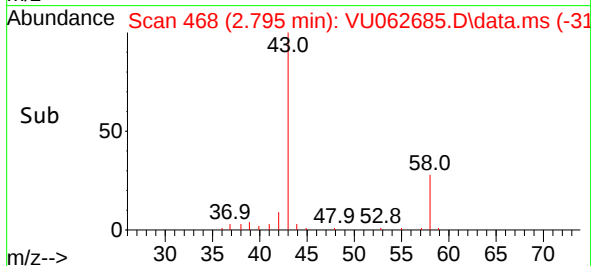
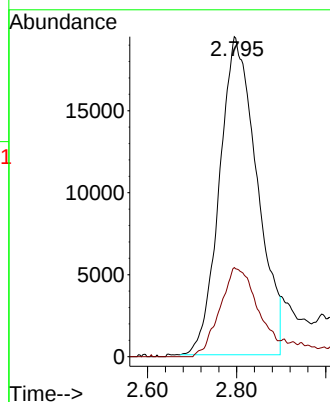
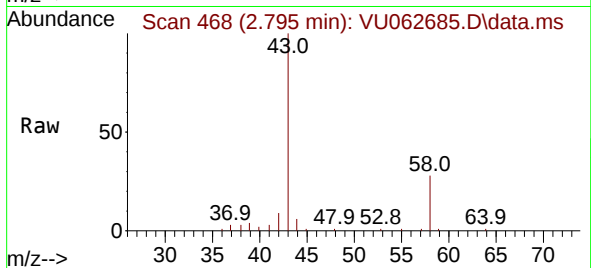
ClientSampleId :

Tgt Ion: 43 Resp: 113554

Ion Ratio Lower Upper

43 100

58 28.2 0.0 64.4



#15

Methyl Acetate

Concen: 63.969 ug/L

RT: 2.795 min Scan# 468

Delta R.T. -0.145 min

Lab File: VU062685.D

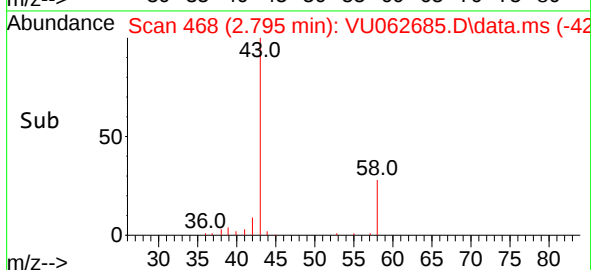
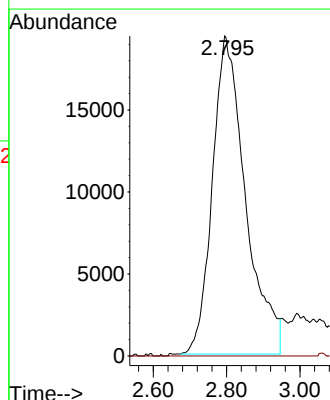
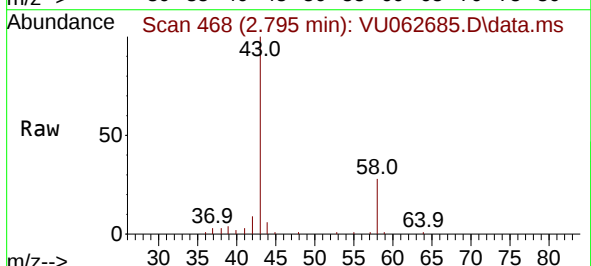
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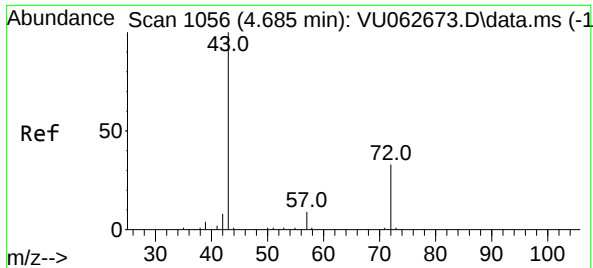
Tgt Ion: 43 Resp: 121552

Ion Ratio Lower Upper

43 100

74 0.1 24.4 36.6#

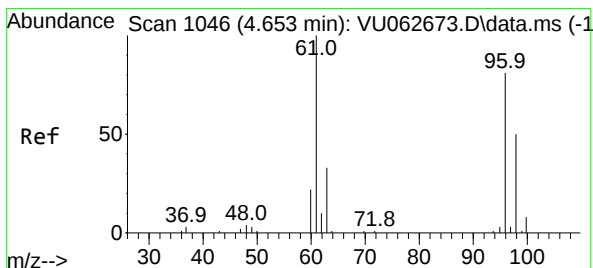
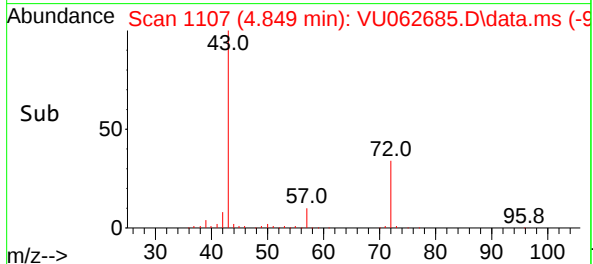
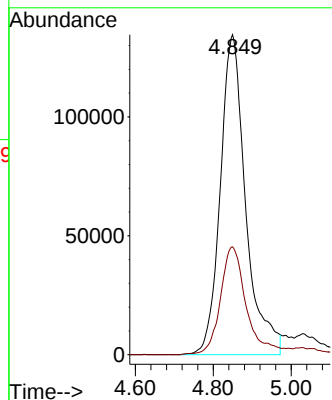
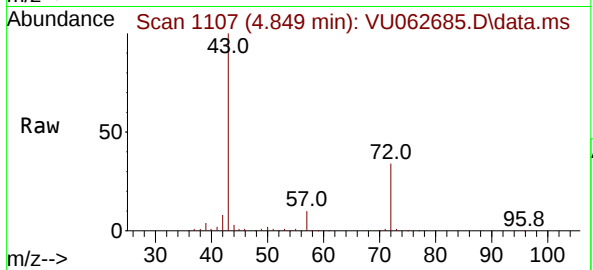




#21
2-Butanone
Concen: 520.759 ug/L
RT: 4.849 min Scan# 1107
Delta R.T. 0.164 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

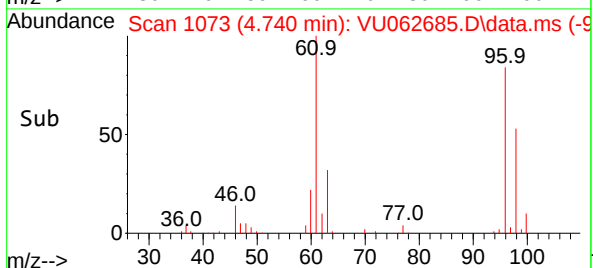
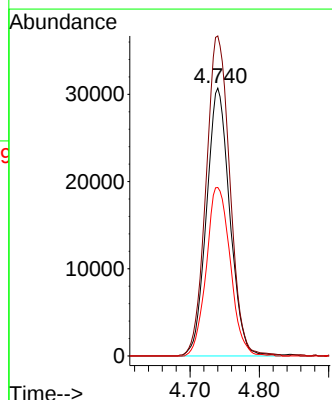
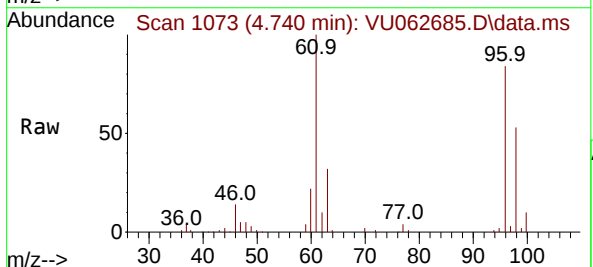
Instrument :
MSVOA_U
ClientSampleId :

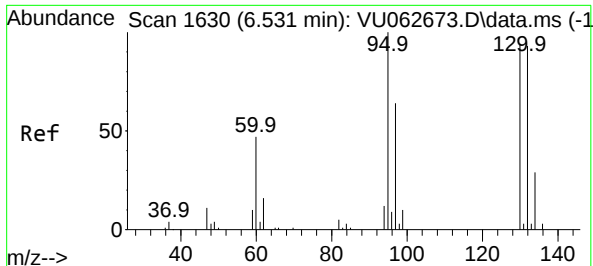
Tgt Ion: 43 Resp: 608650
Ion Ratio Lower Upper
43 100
72 33.0 17.1 51.2



#22
cis-1,2-Dichloroethene
Concen: 10.112 ug/L
RT: 4.740 min Scan# 1073
Delta R.T. 0.087 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

Tgt Ion: 96 Resp: 71679
Ion Ratio Lower Upper
96 100
61 119.5 84.8 157.6
98 62.9 43.1 80.1





#34

Trichloroethene

Concen: 1.046 ug/L

RT: 6.589 min Scan# 1

Delta R.T. 0.058 min

Lab File: VU062685.D

Acq: 10 Jan 2025 15:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 9326

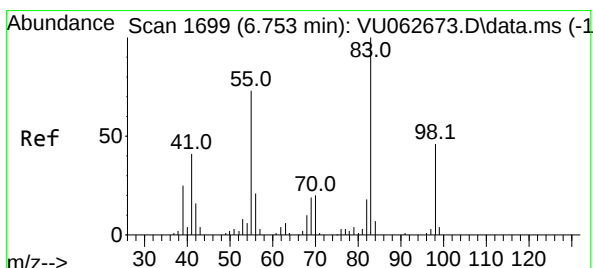
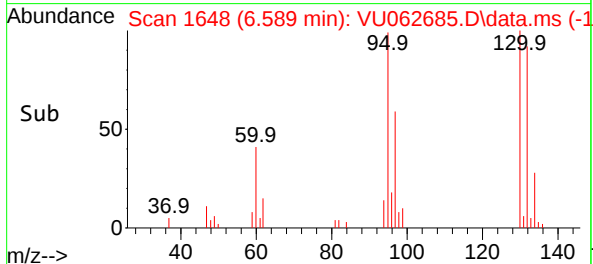
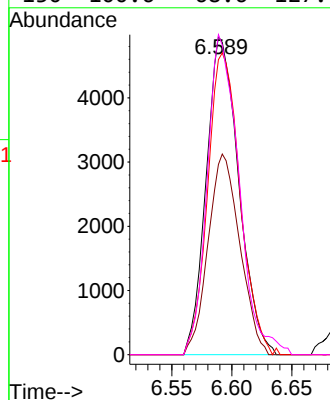
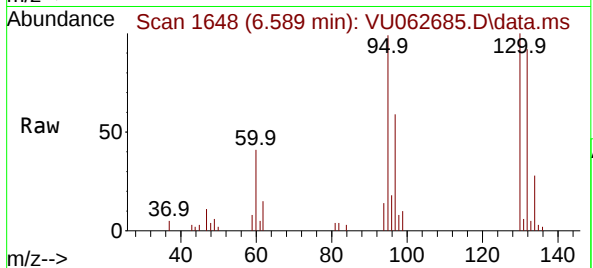
Ion Ratio Lower Upper

95 100

97 59.8 47.5 88.3

132 92.7 66.9 124.3

130 100.6 68.6 127.4



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.737 min Scan# 1694

Delta R.T. -0.016 min

Lab File: VU062685.D

Acq: 10 Jan 2025 15:37

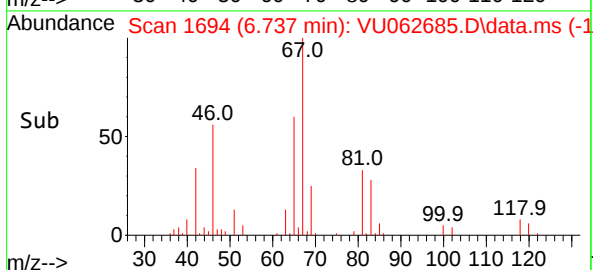
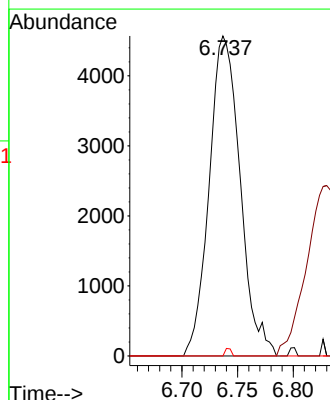
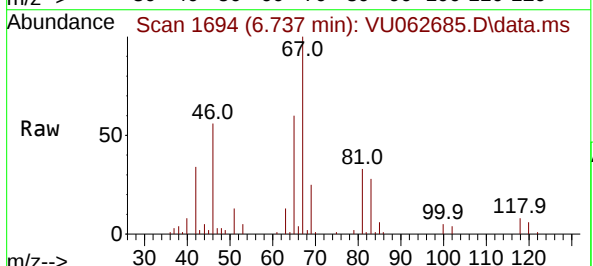
Tgt Ion: 83 Resp: 8834

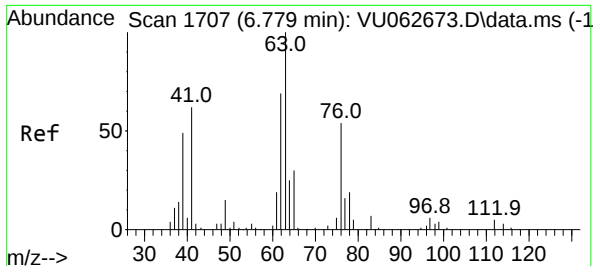
Ion Ratio Lower Upper

83 100

55 71.3 57.2 85.8

98 0.5 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.657 ug/L

RT: 6.737 min Scan# 1

Delta R.T. -0.042 min

Lab File: VU062685.D

Acq: 10 Jan 2025 15:37

Instrument :

MSVOA_U

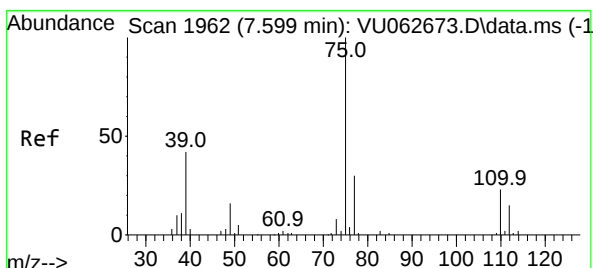
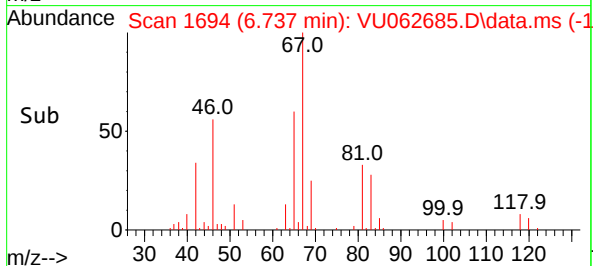
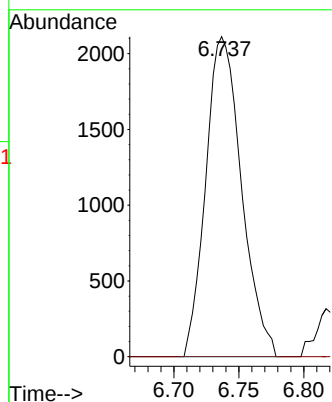
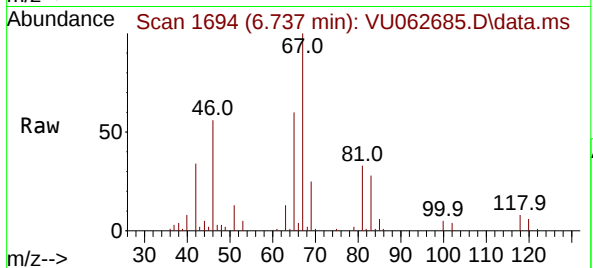
ClientSampleId :

Tgt Ion: 63 Resp: 4045

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. -0.003 min

Lab File: VU062685.D

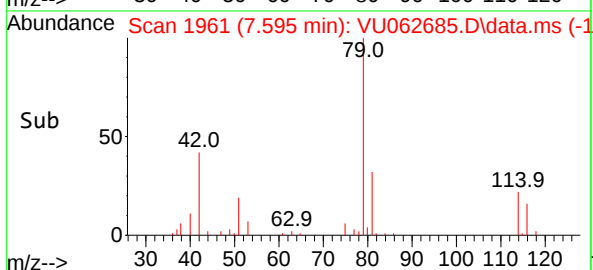
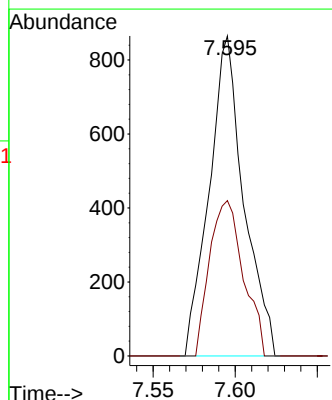
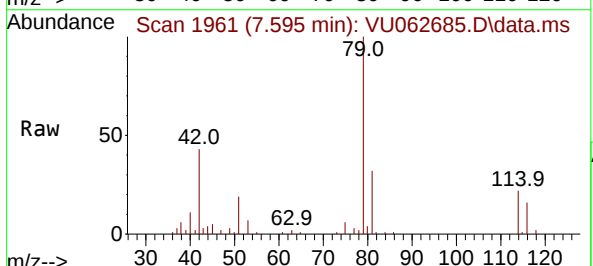
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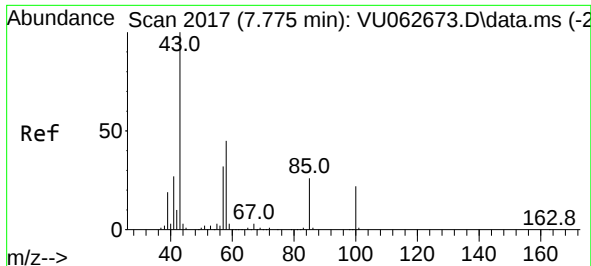
Tgt Ion: 75 Resp: 1264

Ion Ratio Lower Upper

75 100

77 48.6 22.3 41.3#

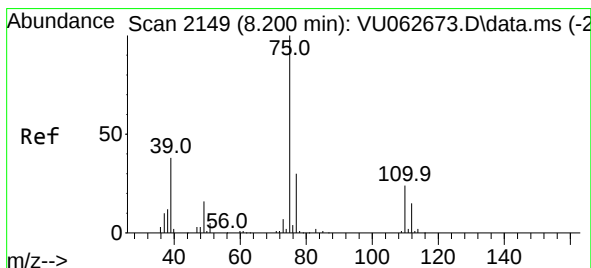
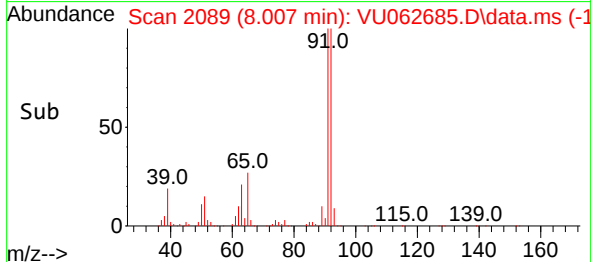
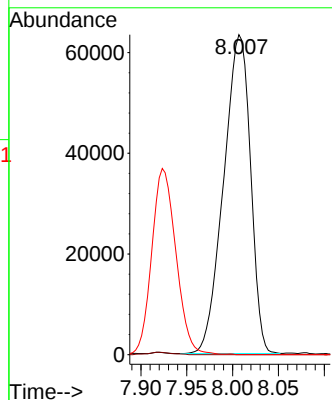
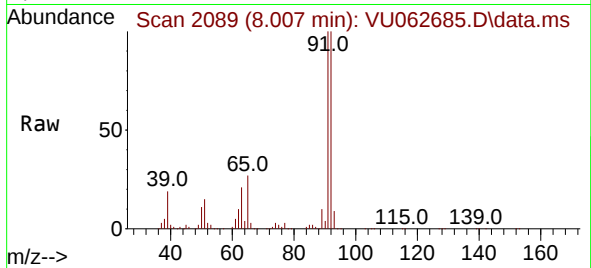




#40
4-Methyl-2-pentanone
Concen: 44.917 ug/L
RT: 8.007 min Scan# 2089
Delta R.T. 0.231 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

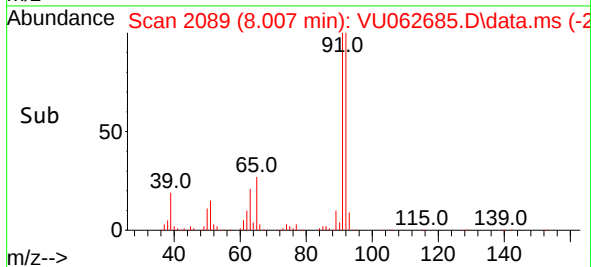
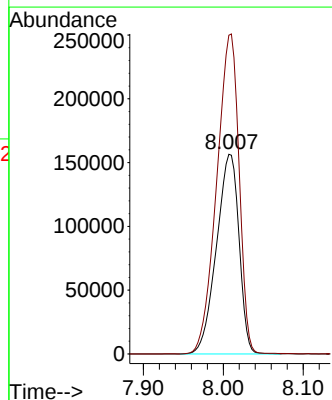
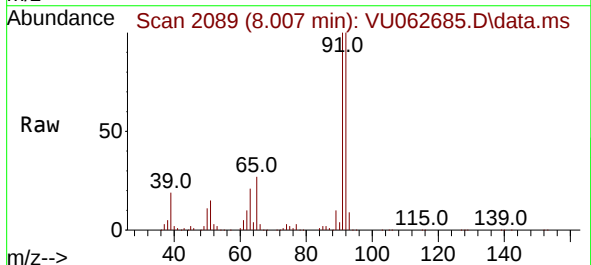
Instrument :
MSVOA_U
ClientSampleId :

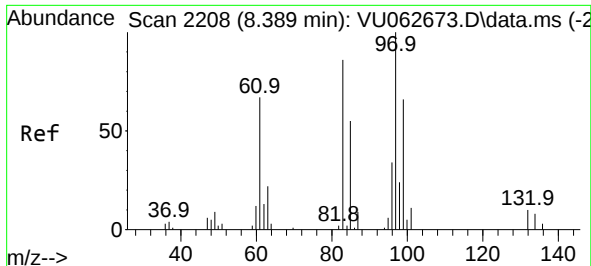
Tgt Ion: 43 Resp: 129170
Ion Ratio Lower Upper
43 100
58 0.7 35.8 53.8#
100 52.6 16.8 25.2#



#44
trans-1,3-Dichloropropene
Concen: 33.839 ug/L
RT: 8.007 min Scan# 2089
Delta R.T. -0.193 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

Tgt Ion: 75 Resp: 305765
Ion Ratio Lower Upper
75 100
77 159.7 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 0.134 ug/L

RT: 8.123 min Scan# 2125

Delta R.T. -0.267 min

Lab File: VU062685.D

Acq: 10 Jan 2025 15:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 668

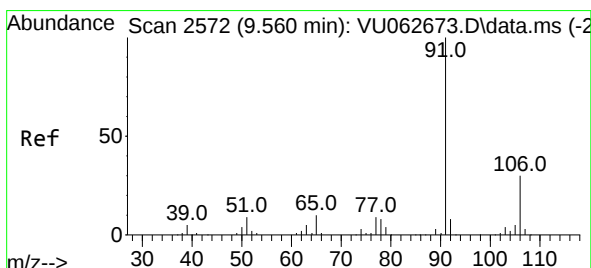
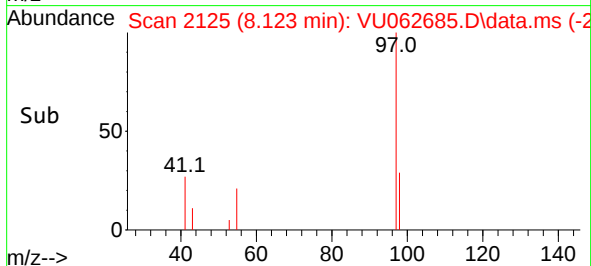
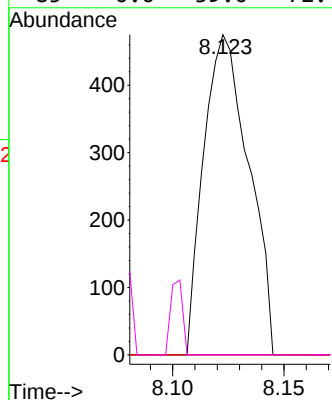
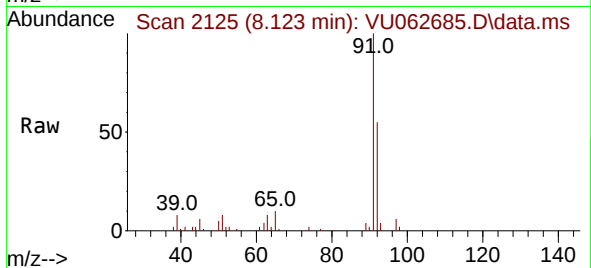
Ion Ratio Lower Upper

97 100

99 0.0 45.6 84.6#

83 0.0 63.0 117.0#

85 0.0 39.0 72.4#



#52

Ethylbenzene

Concen: 0.086 ug/L

RT: 9.579 min Scan# 2578

Delta R.T. 0.019 min

Lab File: VU062685.D

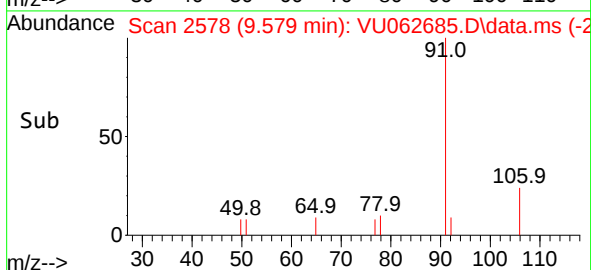
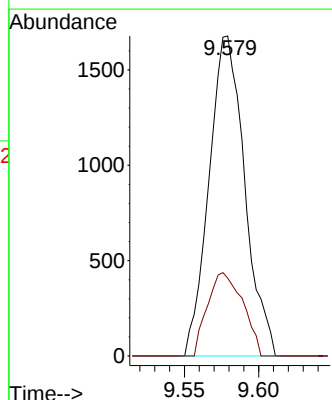
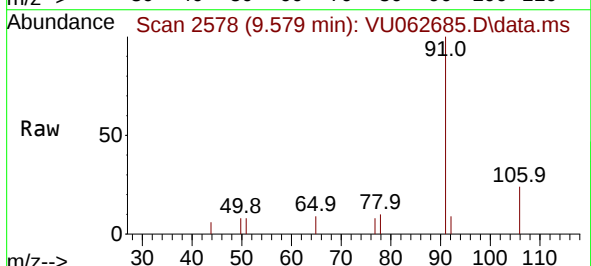
Acq: 10 Jan 2025 15:37

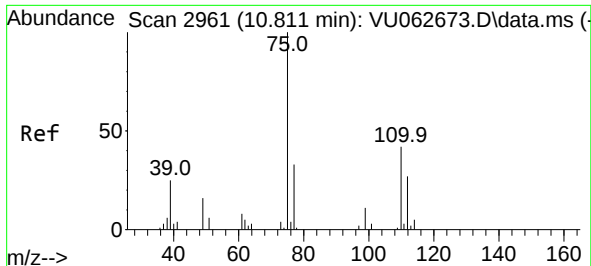
Tgt Ion: 91 Resp: 2800

Ion Ratio Lower Upper

91 100

106 24.3 21.9 40.7

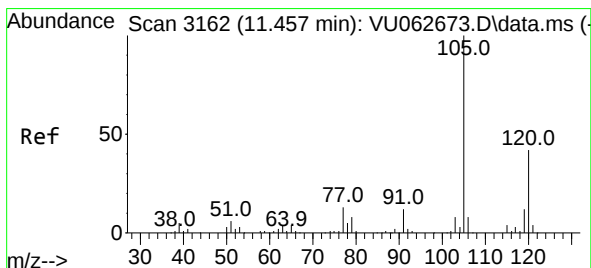
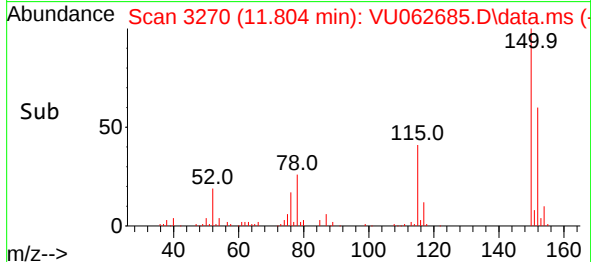
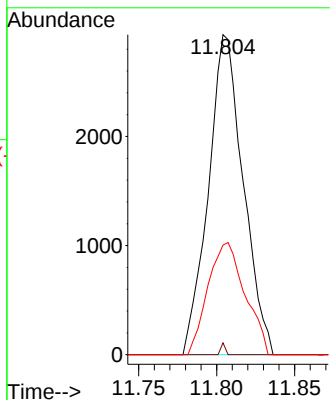
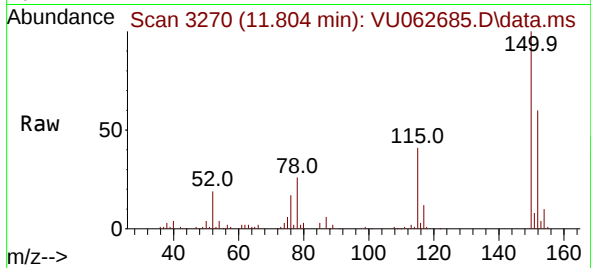




#61
1,2,3-Trichloropropane
Concen: 1.137 ug/L
RT: 11.804 min Scan# 3166
Delta R.T. 0.993 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 4547
Ion Ratio Lower Upper
75 100
110 0.5 33.2 49.8#
77 37.4 25.9 38.9



#63
1,2,4-Trimethylbenzene
Concen: 0.063 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.013 min
Lab File: VU062685.D
Acq: 10 Jan 2025 15:37

Tgt Ion: 105 Resp: 1619
Ion Ratio Lower Upper
105 100
120 31.5 34.2 51.2#

