

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063049.D
 Acq On : 28 Jan 2025 05:42
 Operator : MD/SY
 Sample : Q1195-14
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2965

Quant Time: Jan 29 08:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	108229	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.405	117	138130	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	77780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	37439	9.623	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 192.400%#	
7) Chloroethane-d5	1.901	69	15519	5.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 105.000%	
11) 1,1-Dichloroethene-d2	2.554	65	10321	4.436	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 88.800%	
20) 2-Butanone-d5	4.634	46	107769	95.439	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	= 190.880%#	
24) Chloroform-d	5.049	84	71777	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 92.800%	
26) 1,2-Dichloroethane-d4	5.688	65	65963	7.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 149.600%#	
32) Benzene-d6	5.701	84	139936	4.433	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	= 88.600%	
36) 1,2-Dichloropropane-d6	6.676	67	30479	3.792	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 75.800%	
41) Toluene-d8	7.885	98	246518	7.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 158.000%#	
43) trans-1,3-Dichloroprop...	8.167	79	39162	7.871	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 157.400%#	
46) 2-Hexanone-d5	8.621	63	160901	129.605	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 259.220%#	
56) 1,1,2,2-Tetrachloroeth...	10.743	84	51814	6.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 135.800%#	
66) 1,2-Dichlorobenzene-d4	12.180	152	64905	4.662	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 93.200%	
Target Compounds						Qvalue
13) Acetone	2.653	43	23314	31.931	ug/L	97
14) Carbon disulfide	2.779	76	158489	11.003	ug/L	97
15) Methyl Acetate	2.952	43	23620	16.845	ug/L	94
16) Methylene chloride	3.033	84	11587	1.955	ug/L	88
19) 1,1-Dichloroethane	3.853	63	221038	21.194	ug/L	95
21) 2-Butanone	4.734	43	14750	14.812	ug/L #	63
30) Cyclohexane	5.373	56	1275	0.128	ug/L #	93
33) Benzene	5.762	78	54729	1.635	ug/L	100
35) Methylcyclohexane	6.753	83	1538	0.107	ug/L #	72
40) 4-Methyl-2-pentanone	7.782	43	82570	22.741	ug/L #	91
42) Toluene	7.955	91	1930921	48.544	ug/L	100
52) Ethylbenzene	9.556	91	451898	9.748	ug/L	97
53) m,p-Xylene	9.679	106	639674	35.732	ug/L	96
54) o-Xylene	10.087	106	319340	19.471	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	54014	1.250	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	142801	3.494	ug/L	97

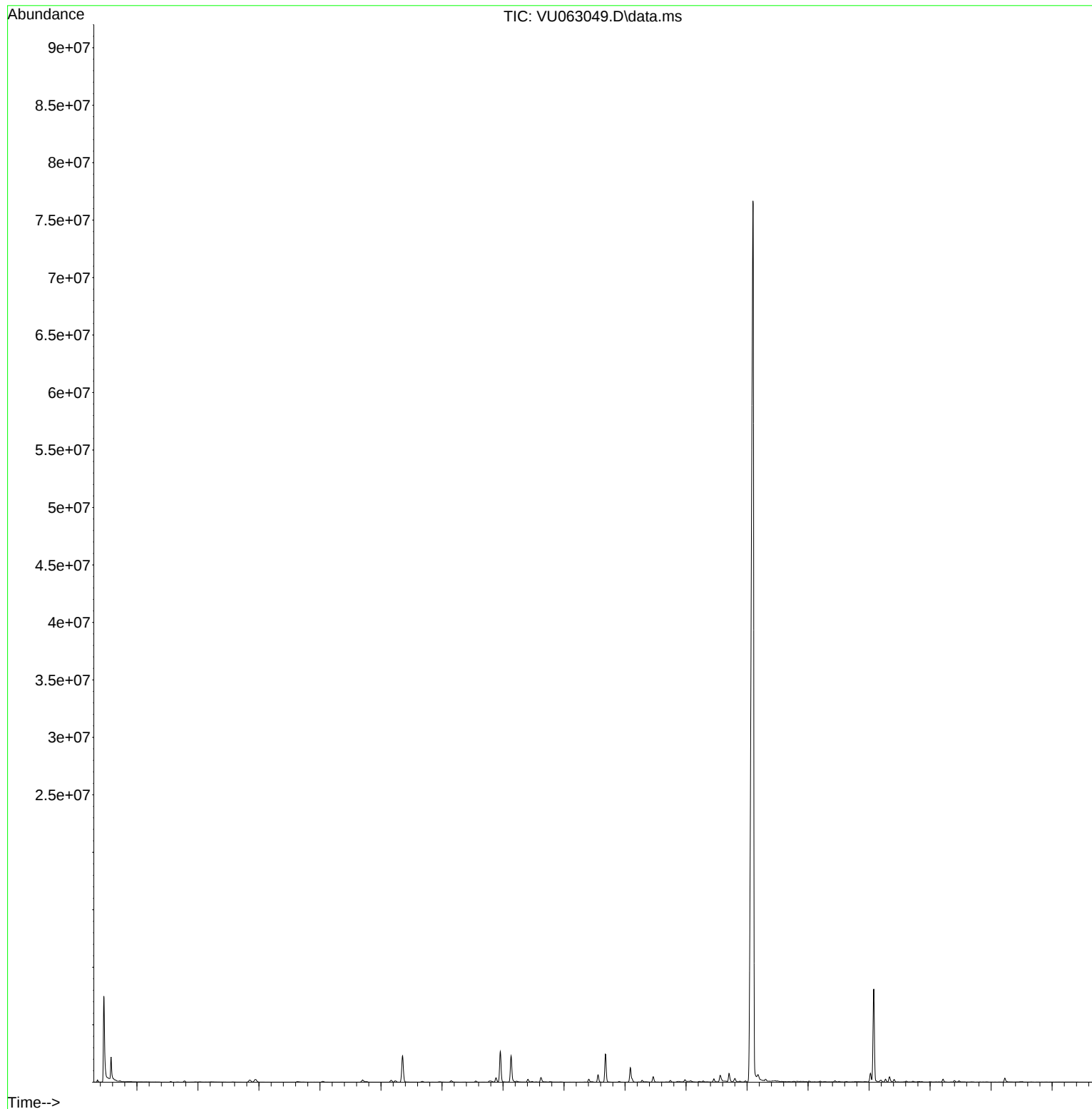
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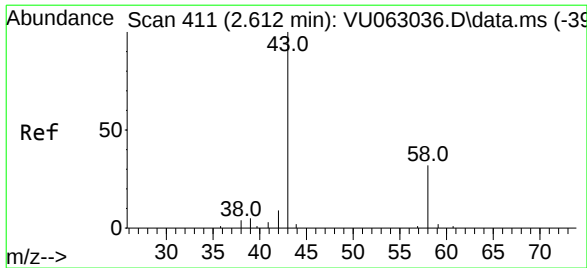
Instrument :
MSVOA_U
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#13

Acetone

Concen: 31.931 ug/L

RT: 2.653 min Scan# 42

Delta R.T. 0.042 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

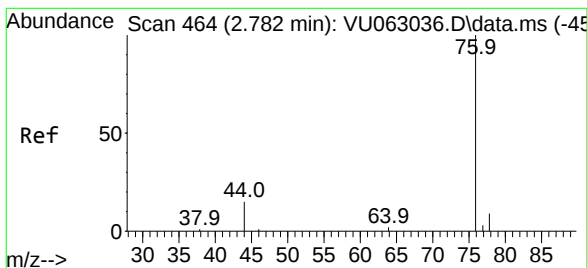
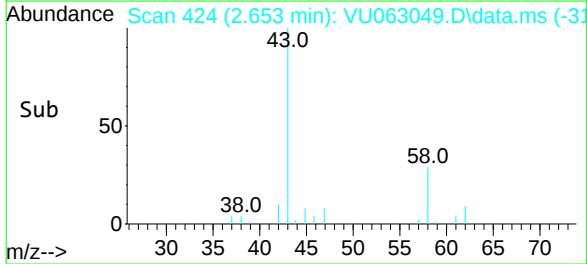
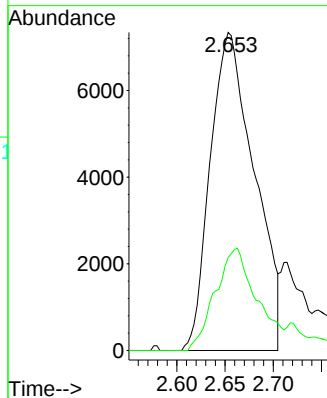
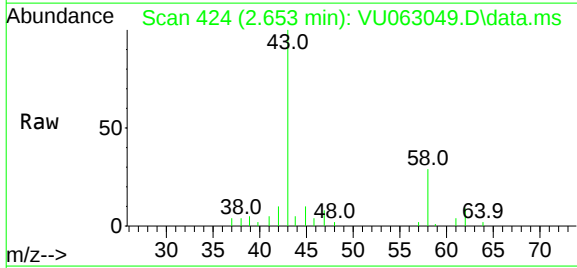
E2965

Tgt Ion: 43 Resp: 23314

Ion Ratio Lower Upper

43 100

58 30.4 0.0 64.4



#14

Carbon disulfide

Concen: 11.003 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063049.D

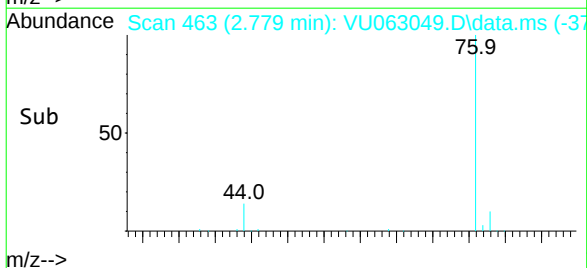
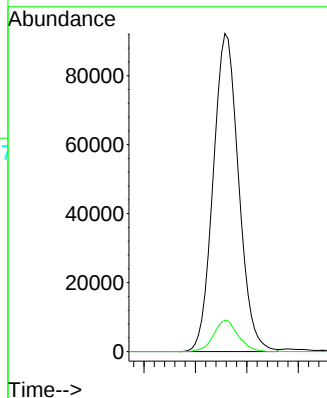
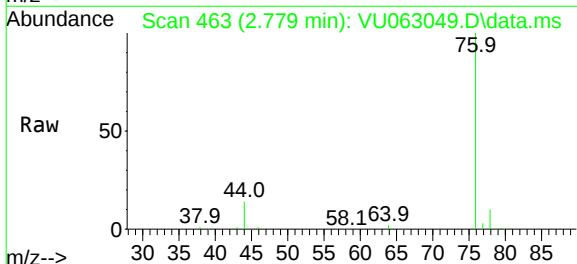
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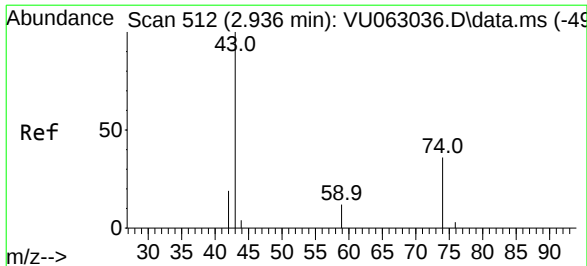
Tgt Ion: 76 Resp: 158489

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6





#15

Methyl Acetate

Concen: 16.845 ug/L

RT: 2.952 min Scan# 517

Delta R.T. 0.016 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

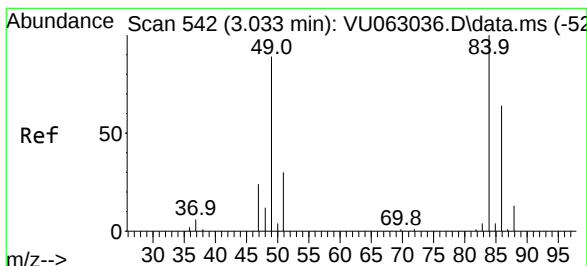
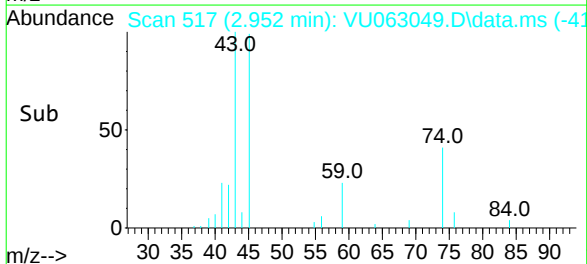
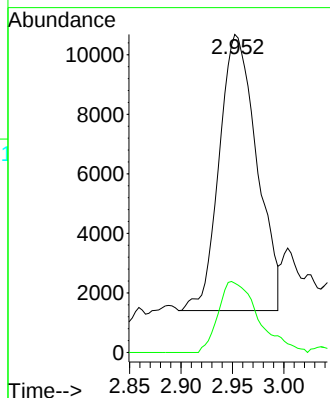
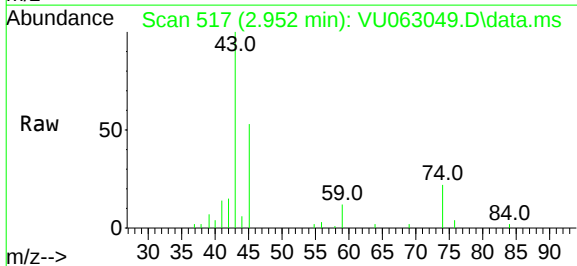
E2965

Tgt Ion: 43 Resp: 23620

Ion Ratio Lower Upper

43 100

74 27.4 24.4 36.6



#16

Methylene chloride

Concen: 1.955 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.000 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

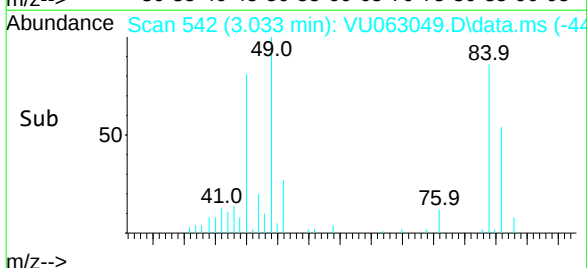
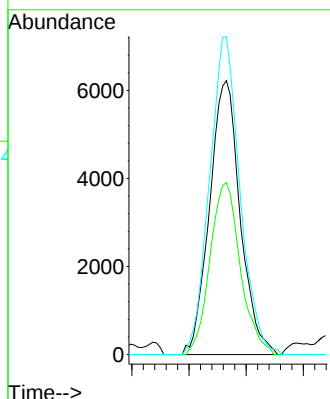
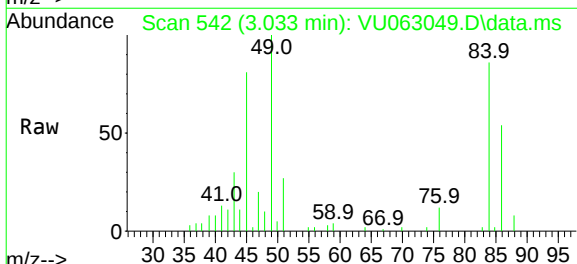
Tgt Ion: 84 Resp: 11587

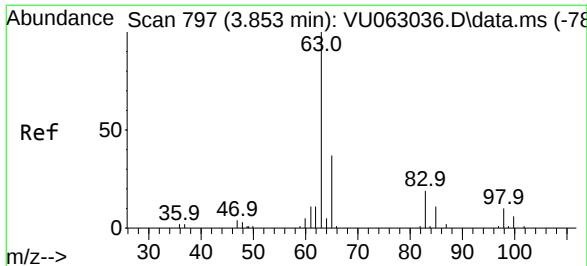
Ion Ratio Lower Upper

84 100

86 62.8 44.7 83.1

49 116.1 68.3 126.9

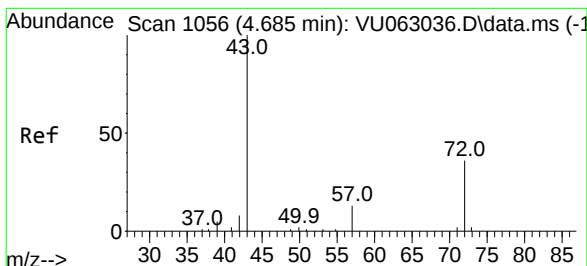
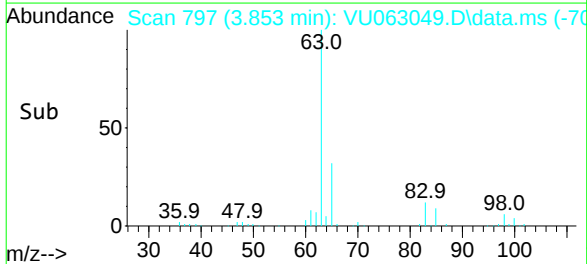
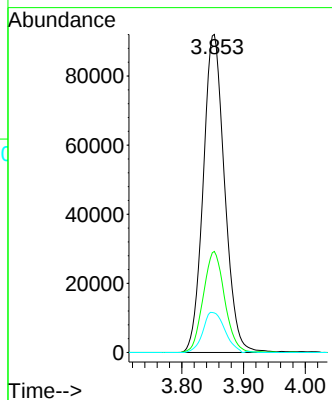
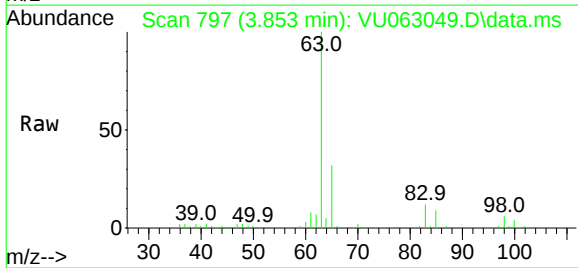




#19
1,1-Dichloroethane
Concen: 21.194 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

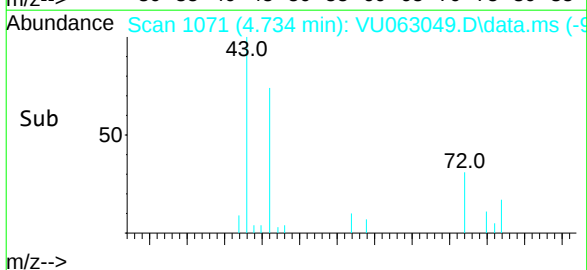
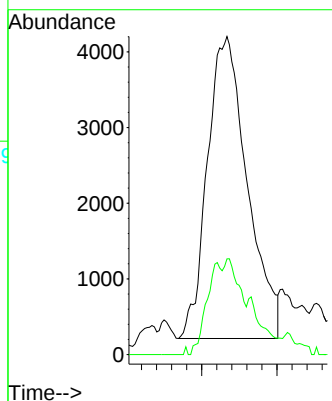
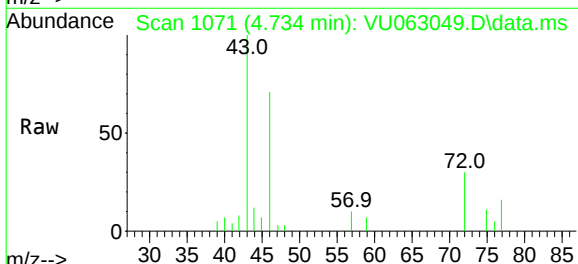
Instrument :
MSVOA_U
ClientSampleId :
E2965

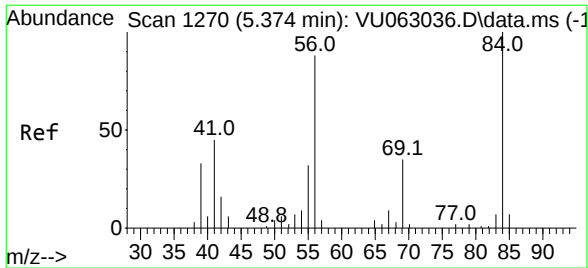
Tgt Ion: 63 Resp: 221038
Ion Ratio Lower Upper
63 100
65 31.8 20.7 38.5
83 12.4 10.5 19.5



#21
2-Butanone
Concen: 14.812 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.048 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

Tgt Ion: 43 Resp: 14750
Ion Ratio Lower Upper
43 100
72 13.0 17.1 51.2#

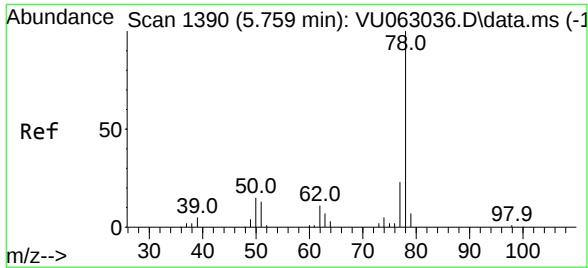
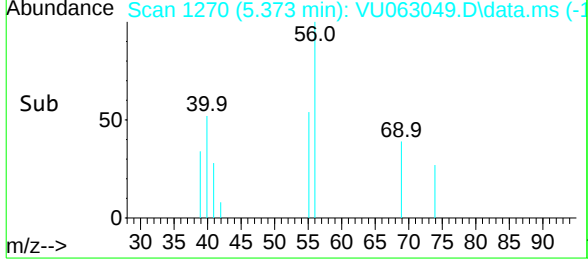
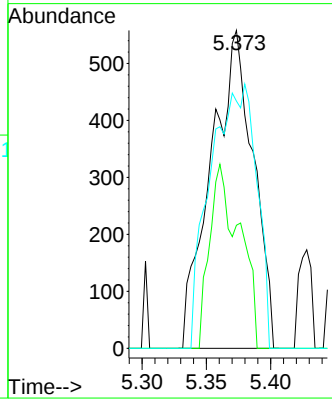
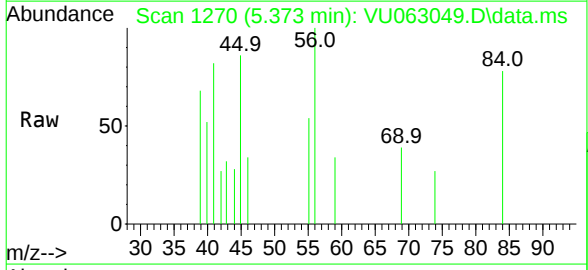




#30
Cyclohexane
Concen: 0.128 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

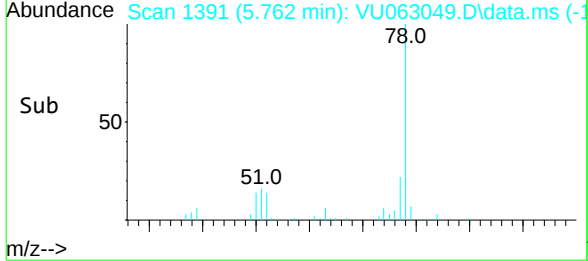
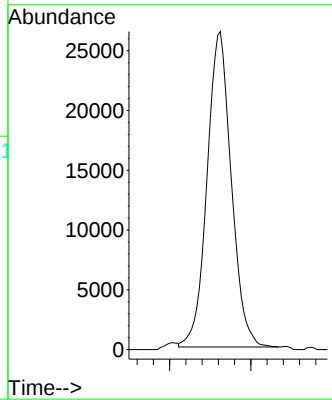
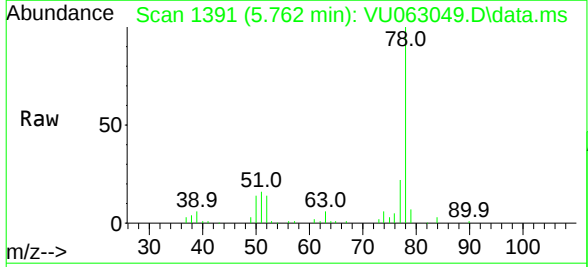
Instrument : MSVOA_U
ClientSampleId : E2965

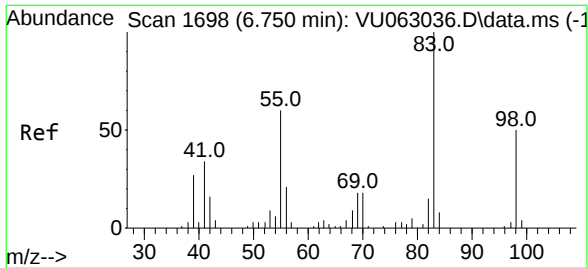
Tgt Ion:	56	Resp:	1275
Ion	Ratio	Lower	Upper
56	100		
69	27.1	28.3	42.5#
84	91.1	76.5	114.7



#33
Benzene
Concen: 1.635 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

Tgt Ion: 78 Resp: 54729

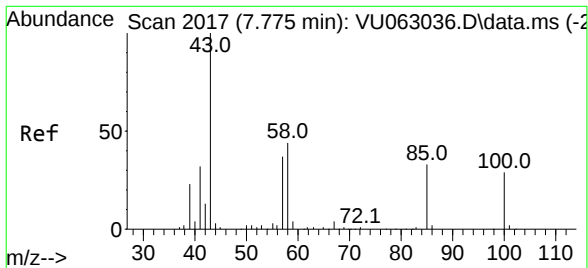
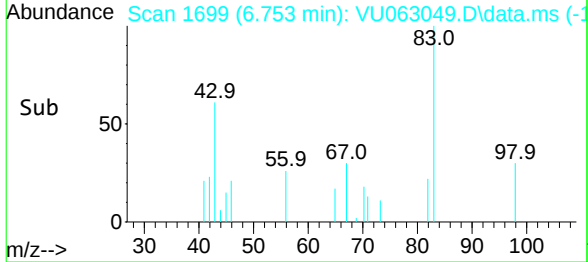
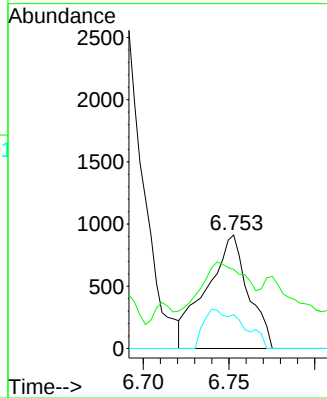
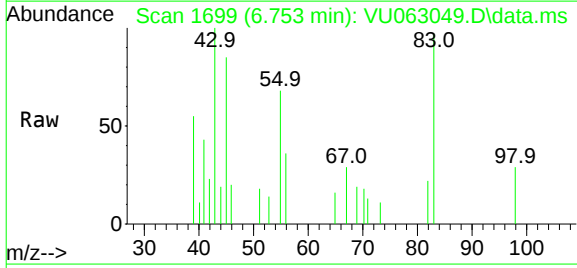




#35
Methylcyclohexane
Concen: 0.107 ug/L
RT: 6.753 min Scan# 16
Delta R.T. 0.003 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

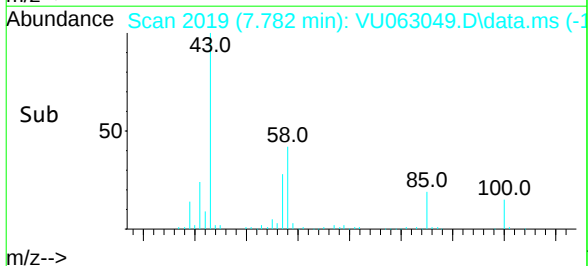
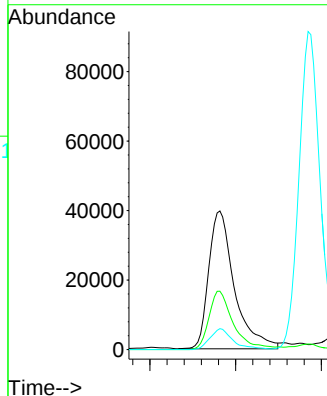
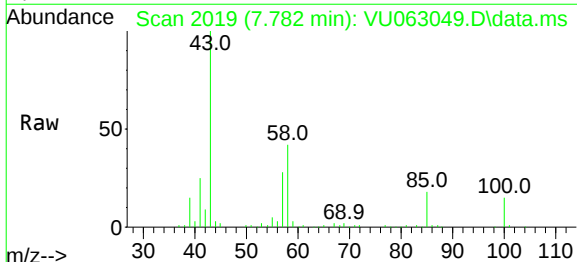
Instrument :
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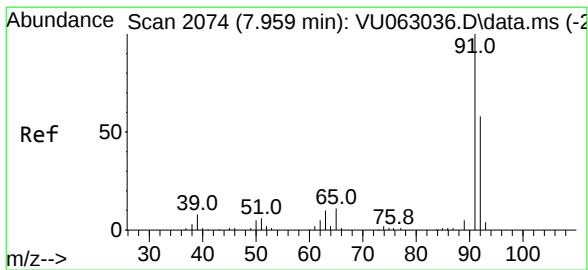
Tgt Ion	Ratio	Lower	Upper
83	100		
55	43.8	57.2	85.8#
98	32.8	36.6	55.0#



#40
4-Methyl-2-pentanone
Concen: 22.741 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	35.8	53.8
100	13.7	16.8	25.2#





#42

Toluene

Concen: 48.544 ug/L

RT: 7.955 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

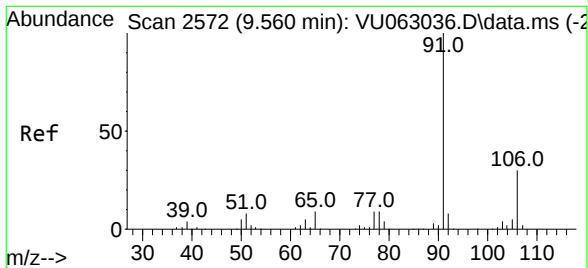
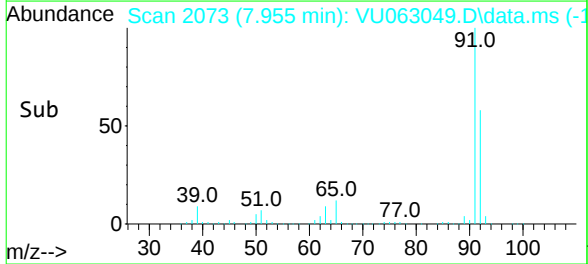
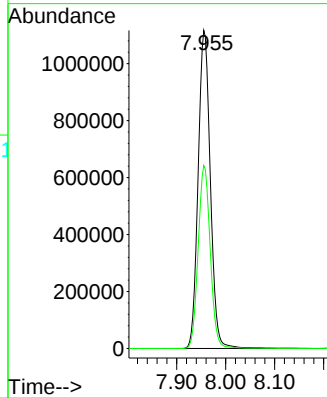
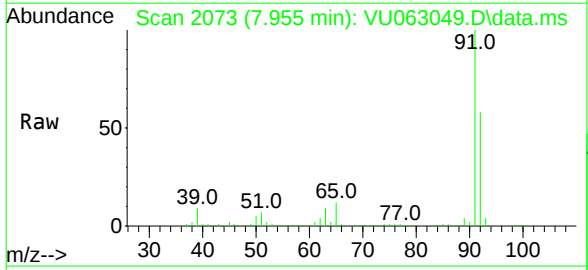
E2965

Tgt Ion: 91 Resp: 1930921

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#52

Ethylbenzene

Concen: 9.748 ug/L

RT: 9.556 min Scan# 2571

Delta R.T. -0.003 min

Lab File: VU063049.D

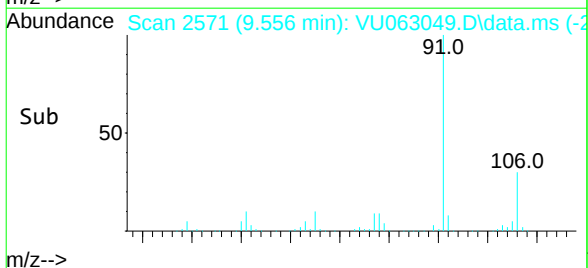
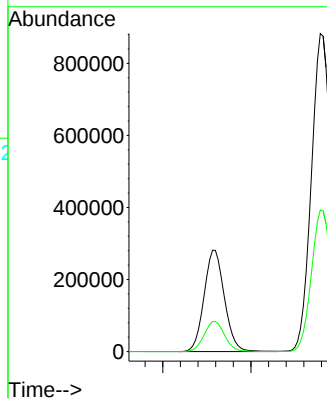
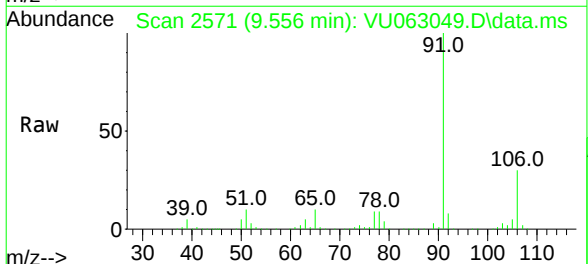
Acq: 28 Jan 2025 05:42

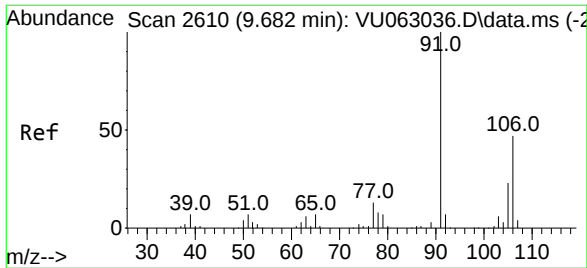
Tgt Ion: 91 Resp: 451898

Ion Ratio Lower Upper

91 100

106 29.6 21.9 40.7





#53

m,p-Xylene

Concen: 35.732 ug/L

RT: 9.679 min Scan# 2610

Delta R.T. -0.003 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

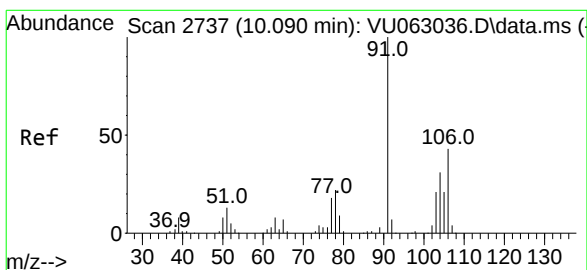
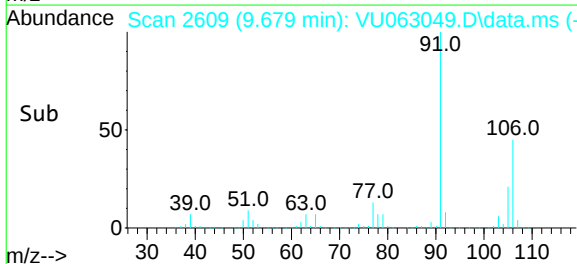
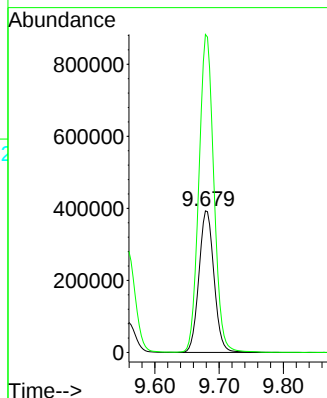
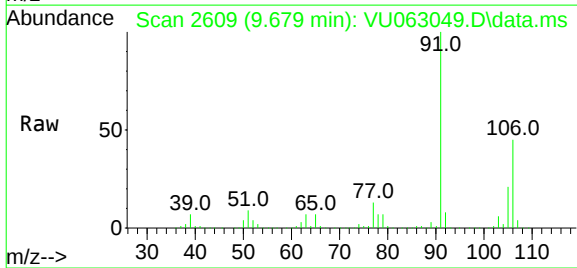
E2965

Tgt Ion:106 Resp: 639674

Ion Ratio Lower Upper

106 100

91 224.6 153.1 284.3



#54

o-Xylene

Concen: 19.471 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063049.D

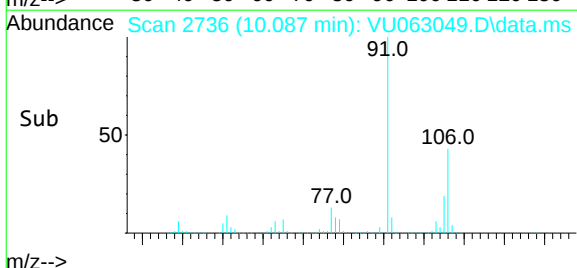
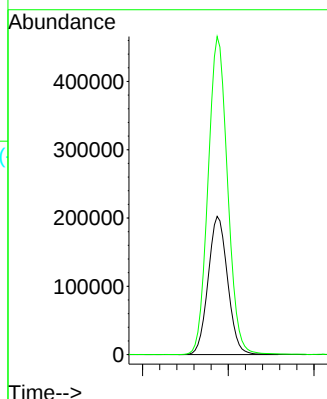
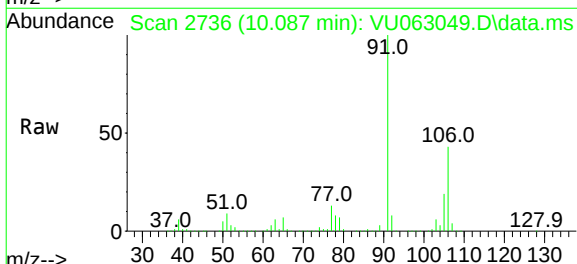
Acq: 28 Jan 2025 05:42

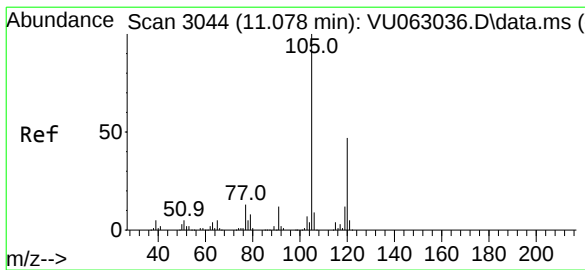
Tgt Ion:106 Resp: 319340

Ion Ratio Lower Upper

106 100

91 230.0 160.4 297.8





#62

1,3,5-Trimethylbenzene

Concen: 1.250 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.000 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

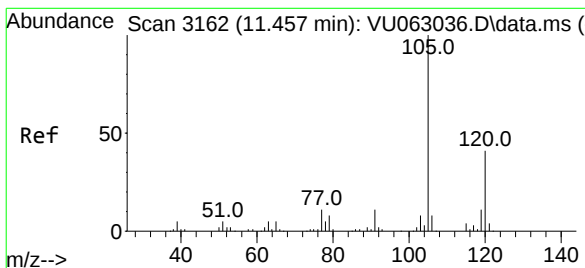
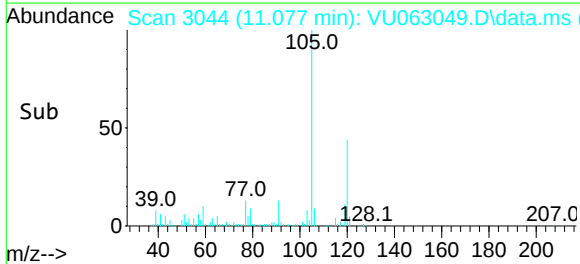
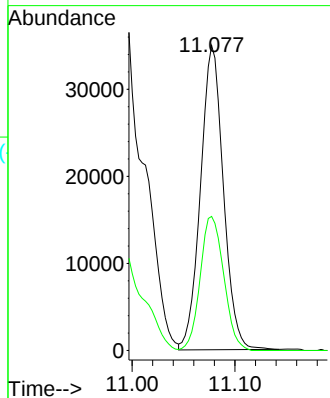
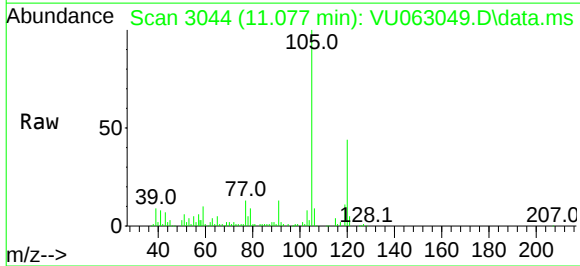
E2965

Tgt Ion:105 Resp: 54014

Ion Ratio Lower Upper

105 100

120 45.3 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 3.494 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Tgt Ion:105 Resp: 142801

Ion Ratio Lower Upper

105 100

120 40.5 34.2 51.2

