

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 :

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	
3) Chloromethane	1.457	50	174399	37.399	ug/L #	41
8) Chloroethane	1.943	64	2791	1.062	ug/L #	51
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
44) trans-1,3-Dichloropropene	8.129	75	2295	0.176	ug/L	83
45) 1,1,2-Trichloroethane	8.409	97	2474	0.349	ug/L #	1
49) Dibromochloromethane	8.540	129	3356	0.304	ug/L #	12
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

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QLast Update : Wed Jan 29 08:16:38 2025
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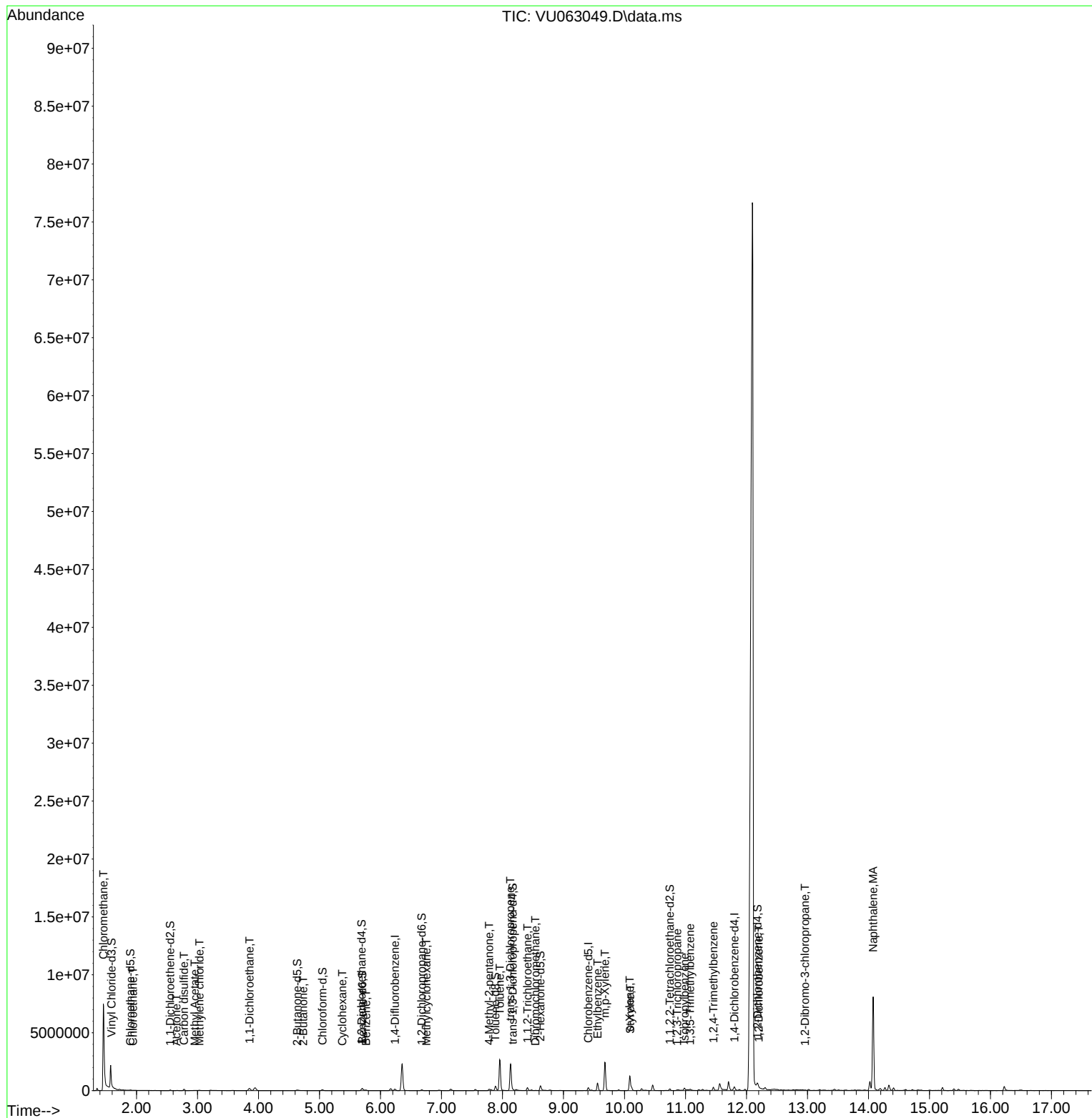
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.093	104	27654	0.997	ug/L #	1
60) Isopropylbenzene	10.984	105	116936	2.372	ug/L	94
61) 1,2,3-Trichloropropane	10.862	75	4360	0.697	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.077	105	54014	1.250	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	142801	3.494	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	3440	0.146	ug/L #	75
68) 1,2-Dibromo-3-chloropr...	12.958	75	262	0.158	ug/L #	8
71) Naphthalene	14.077	128	6329123	315.278	ug/L	99

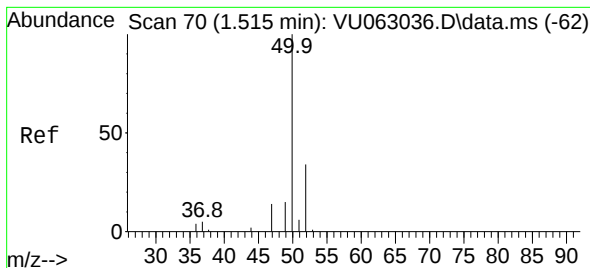
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 37.399 ug/L

RT: 1.457 min Scan# 51

Delta R.T. -0.058 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

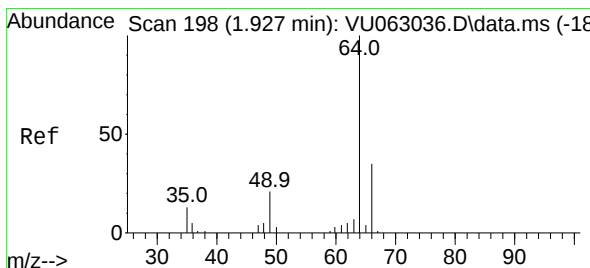
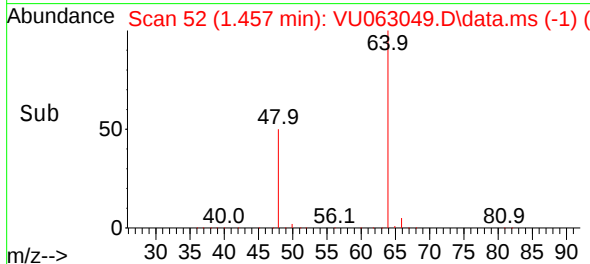
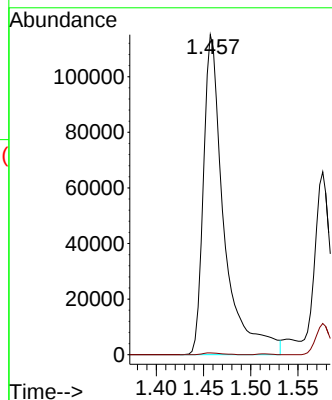
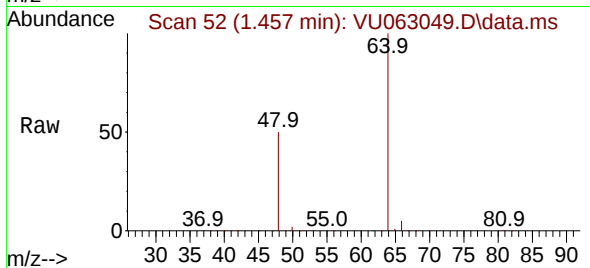
ClientSampleId :

Tgt Ion: 50 Resp: 174399

Ion Ratio Lower Upper

50 100

52 0.5 24.1 44.7#



#8

Chloroethane

Concen: 1.062 ug/L

RT: 1.943 min Scan# 203

Delta R.T. 0.016 min

Lab File: VU063049.D

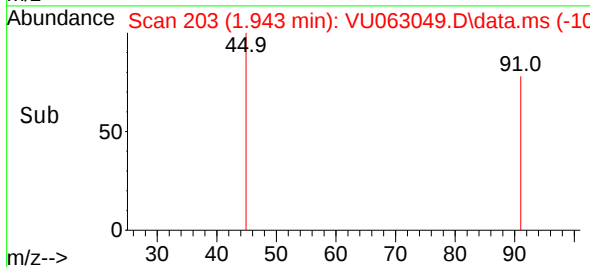
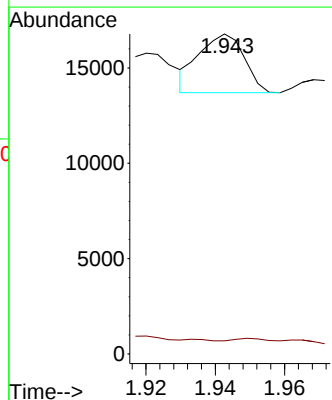
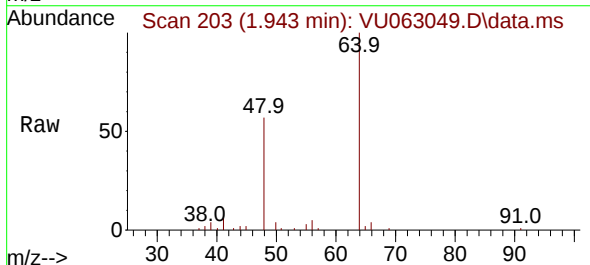
Acq: 28 Jan 2025 05:42

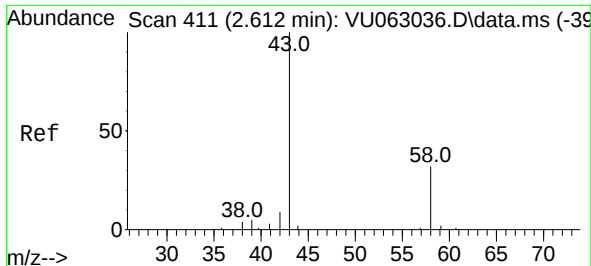
Tgt Ion: 64 Resp: 2791

Ion Ratio Lower Upper

64 100

66 4.1 21.6 40.2#





#13

Acetone

Concen: 31.931 ug/L

RT: 2.653 min Scan# 411

Delta R.T. 0.042 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

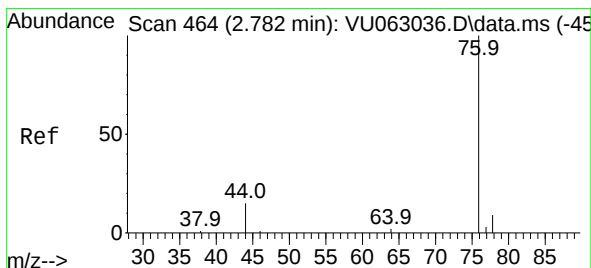
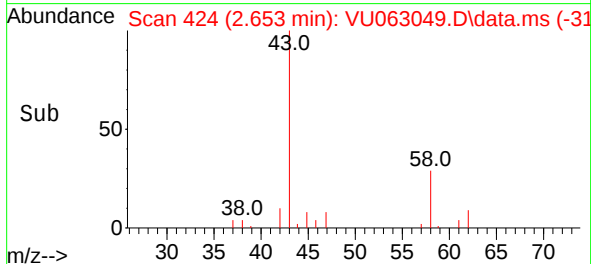
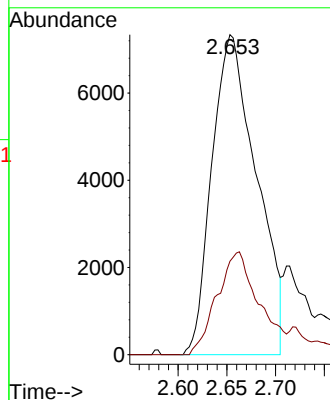
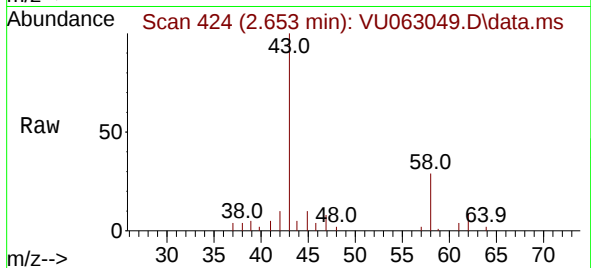
ClientSampleId :

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

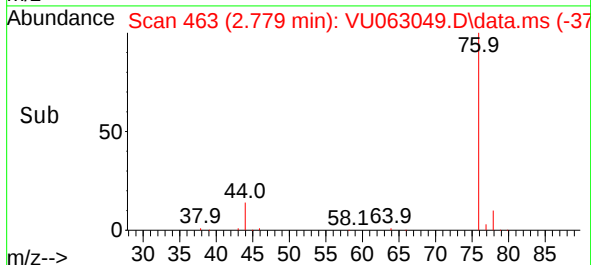
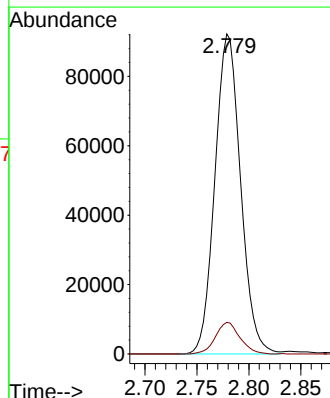
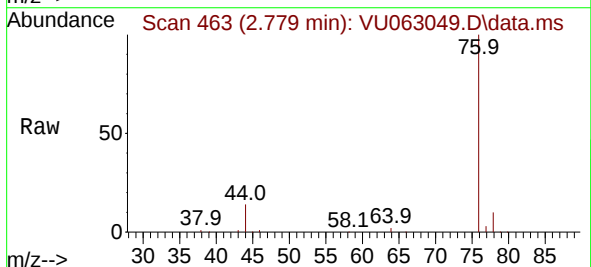
Acq: 28 Jan 2025 05:42

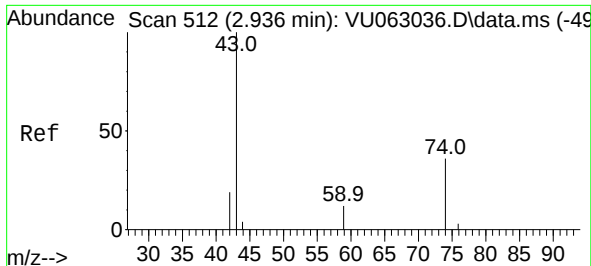
Tgt Ion: 76 Resp: 158489

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

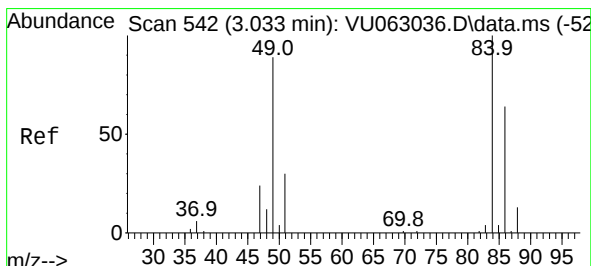
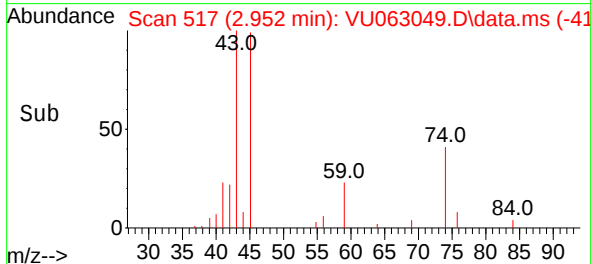
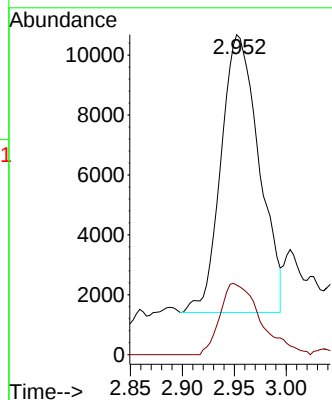
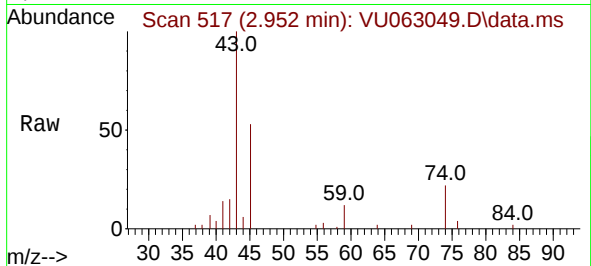




#15
Methyl Acetate
Concen: 16.845 ug/L
RT: 2.952 min Scan# 512
Delta R.T. 0.016 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

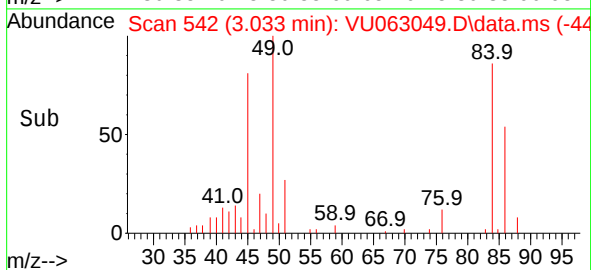
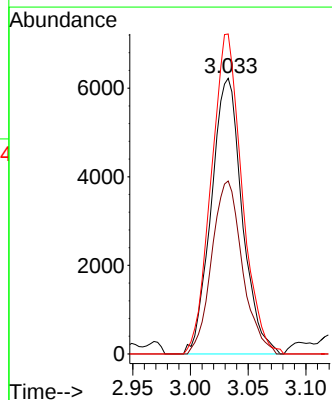
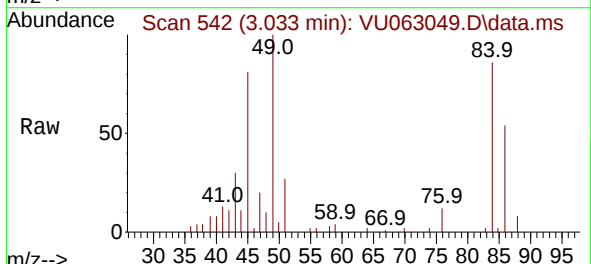
Instrument :
MSVOA_U
ClientSampleId :

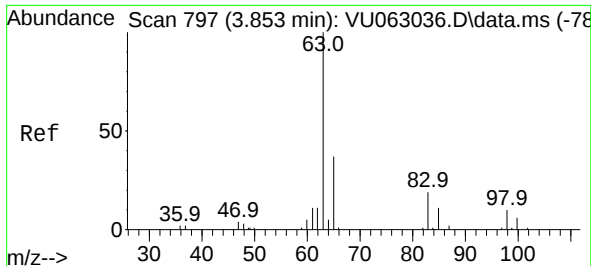
Tgt Ion: 43 Resp: 23620
Ion Ratio Lower Upper
43 100
74 27.4 24.4 36.6



#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

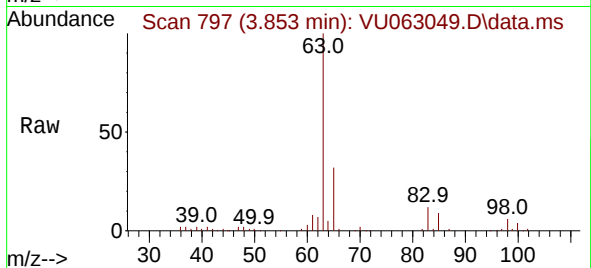
Tgt Ion: 84 Resp: 11587
Ion Ratio Lower Upper
84 100
86 62.8 44.7 83.1
49 116.1 68.3 126.9



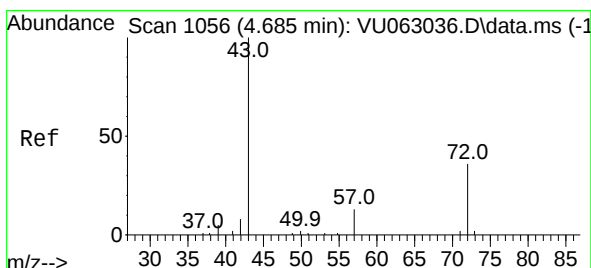
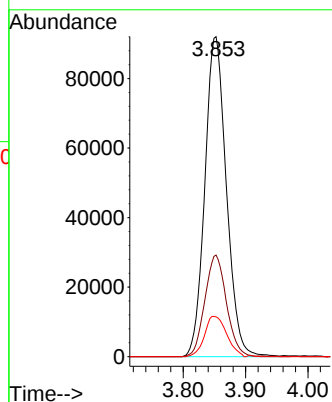
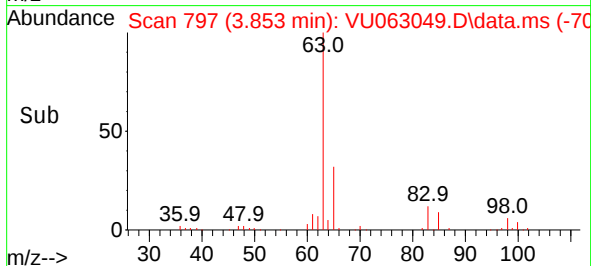


#19
1,1-Dichloroethane
Concen: 21.194 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

Instrument :
MSVOA_U
ClientSampleId :

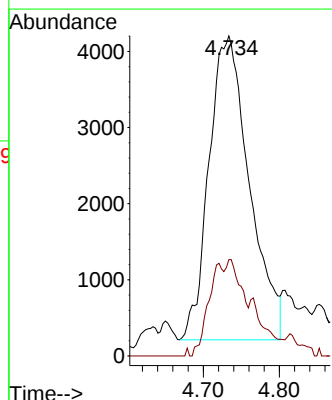
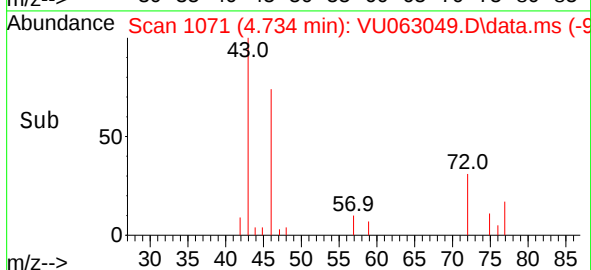
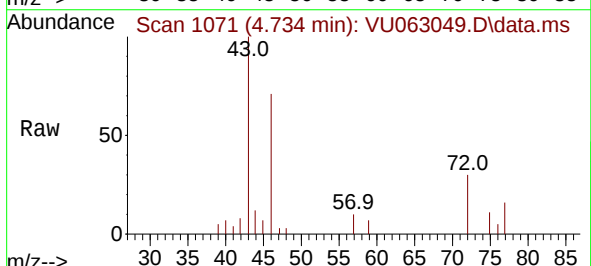


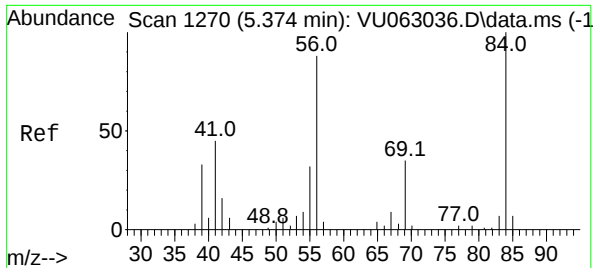
Tgt Ion: 63 Resp: 221038
Ion Ratio Lower Upper
63 100
65 31.8 20.7 38.5
83 12.4 10.5 19.5



#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 :

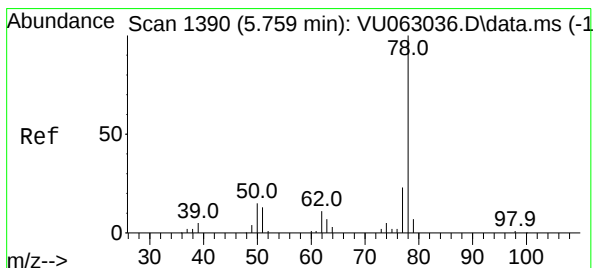
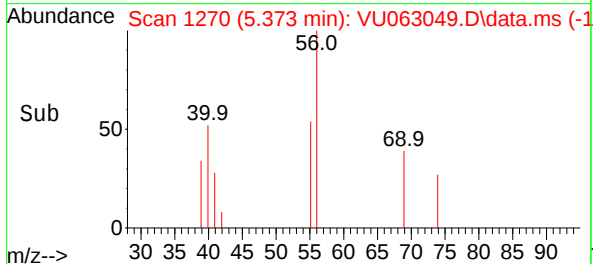
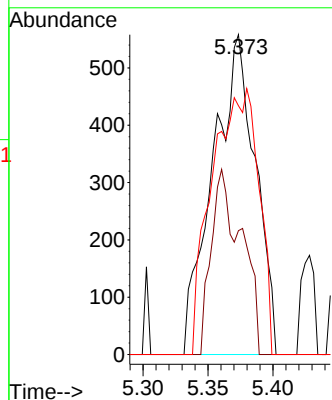
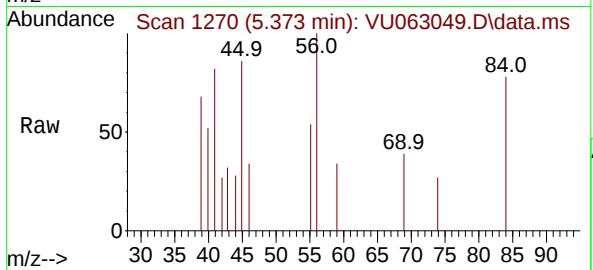
Tgt Ion: 56 Resp: 1275

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

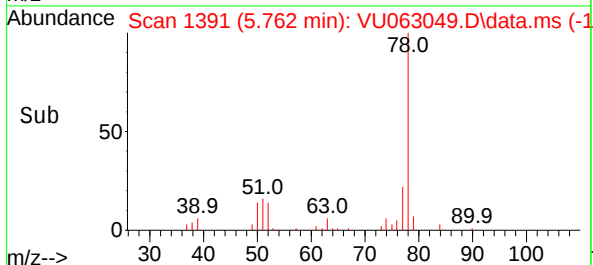
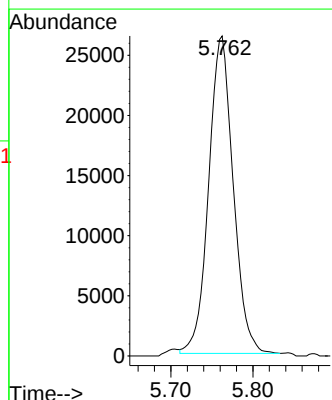
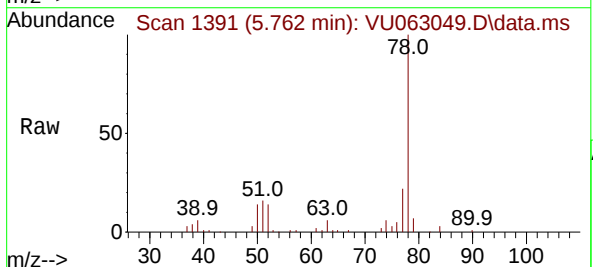
RT: 5.762 min Scan# 1391

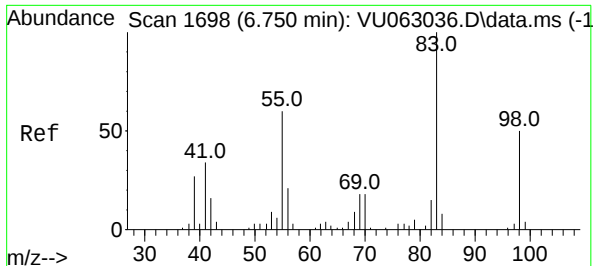
Delta R.T. 0.003 min

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# 1

Delta R.T. 0.003 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

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ClientSampleId :

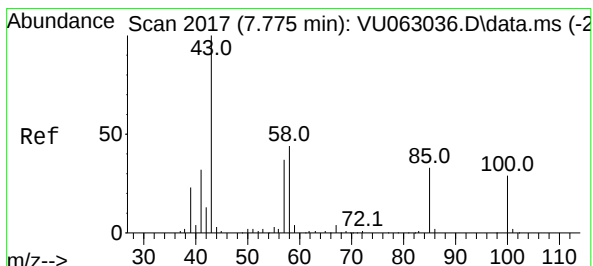
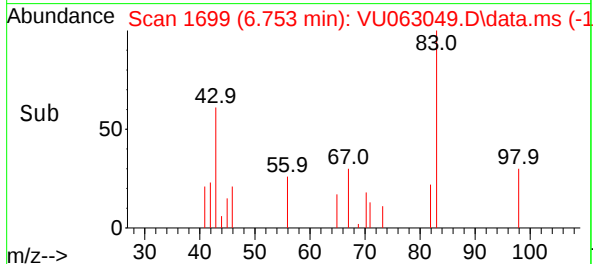
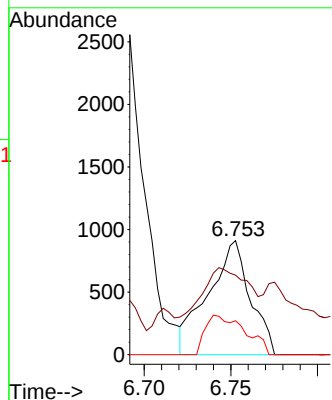
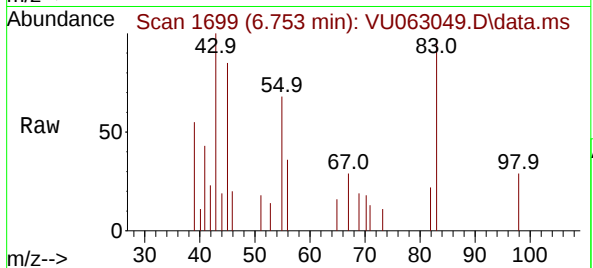
Tgt Ion: 83 Resp: 1538

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

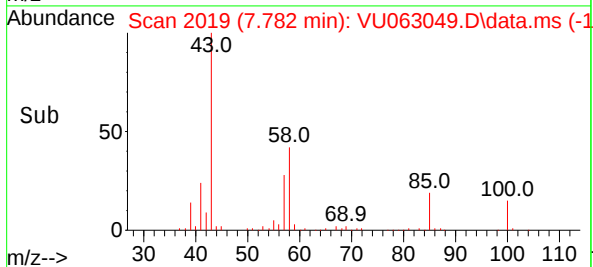
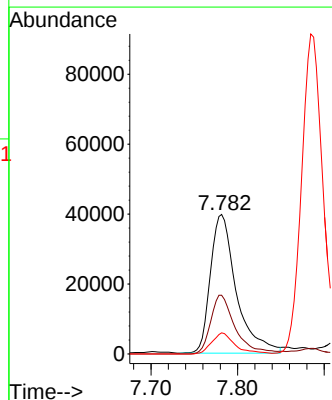
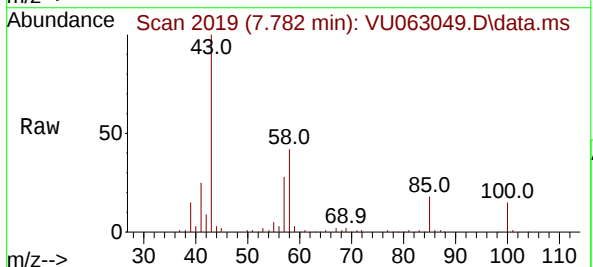
Tgt Ion: 43 Resp: 82570

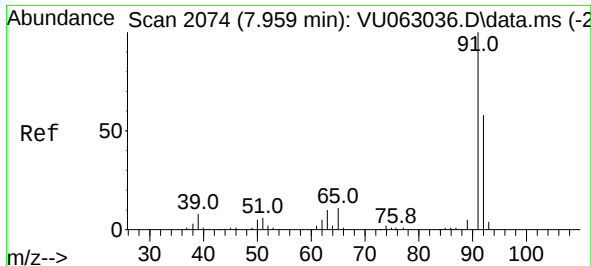
Ion Ratio Lower Upper

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# 2109

Delta R.T. -0.003 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

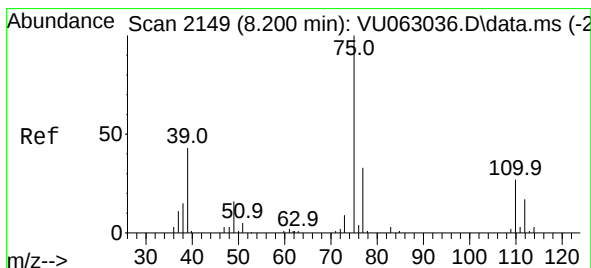
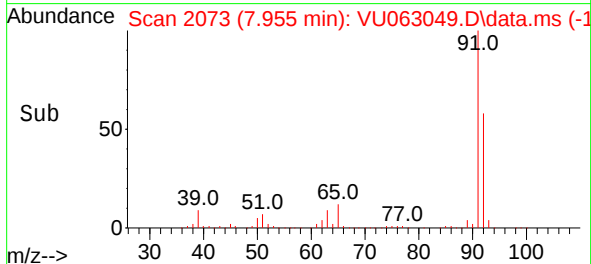
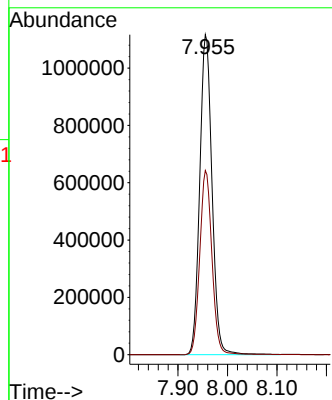
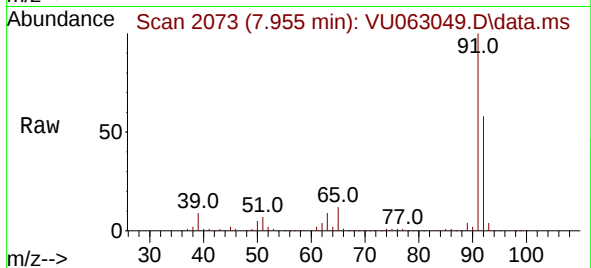
ClientSampleId :

Tgt Ion: 91 Resp: 1930921

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.176 ug/L

RT: 8.129 min Scan# 2127

Delta R.T. -0.071 min

Lab File: VU063049.D

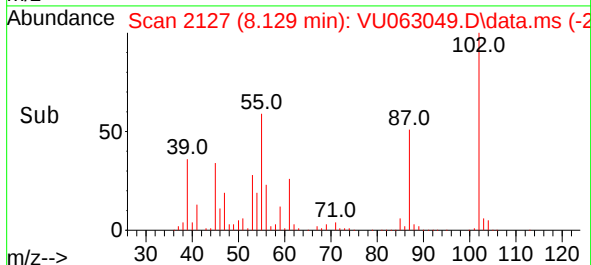
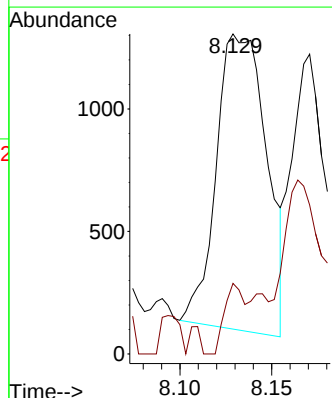
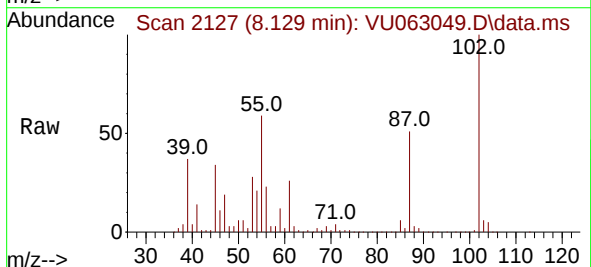
Acq: 28 Jan 2025 05:42

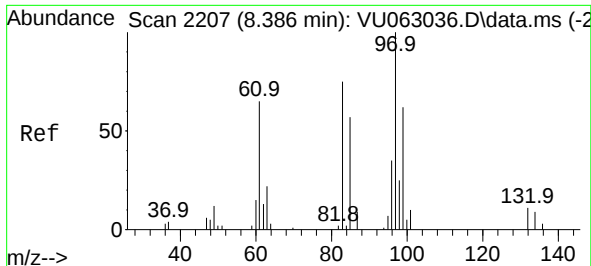
Tgt Ion: 75 Resp: 2295

Ion Ratio Lower Upper

75 100

77 22.1 21.8 40.6

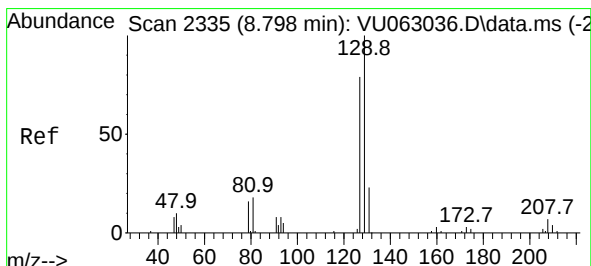
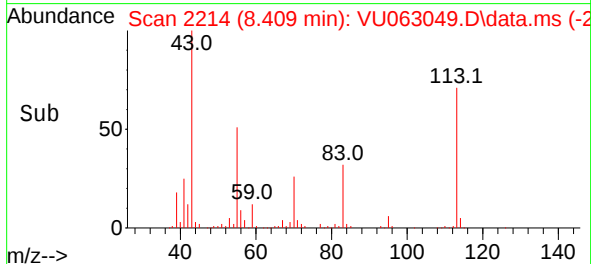
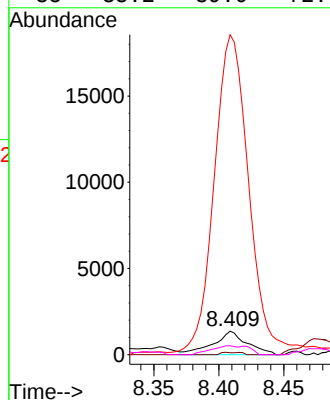
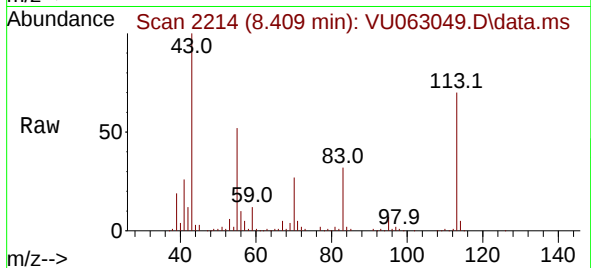




#45
1,1,2-Trichloroethane
Concen: 0.349 ug/L
RT: 8.409 min Scan# 21
Delta R.T. 0.022 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

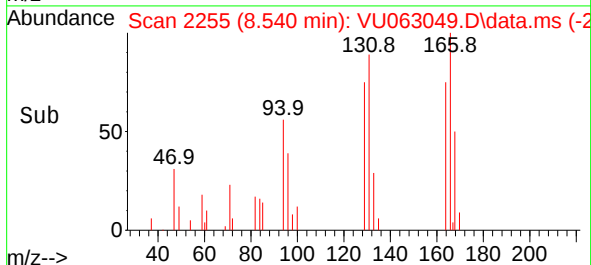
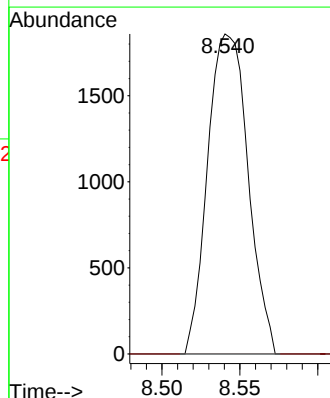
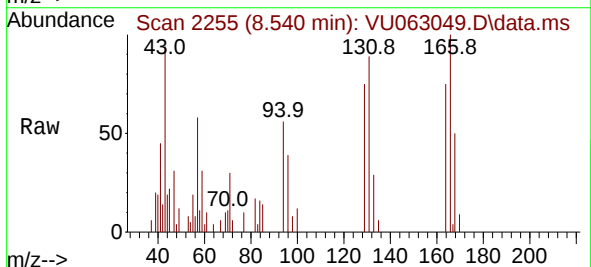
Instrument :
MSVOA_U
ClientSampleId :

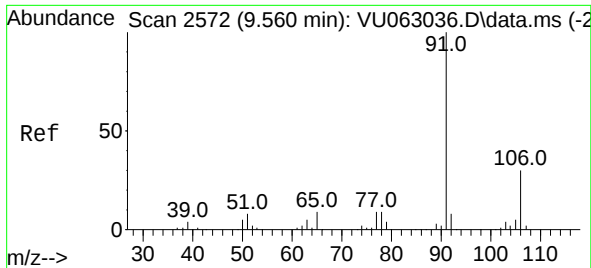
Tgt Ion: 97 Resp: 2474
Ion Ratio Lower Upper
97 100
99 8.5 45.6 84.6#
83 1364.7 63.0 117.0#
85 38.2 39.0 72.4#



#49
Dibromochloromethane
Concen: 0.304 ug/L
RT: 8.540 min Scan# 2255
Delta R.T. -0.257 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

Tgt Ion: 129 Resp: 3356
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.9#

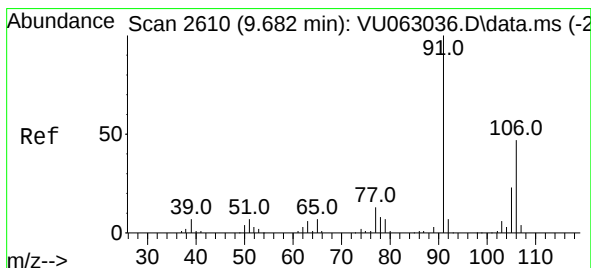
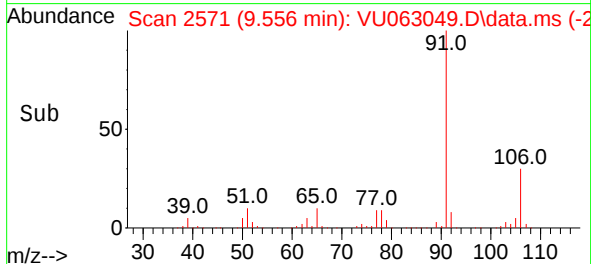
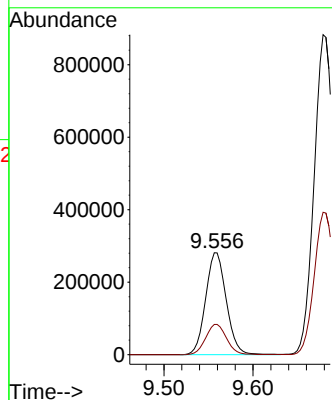
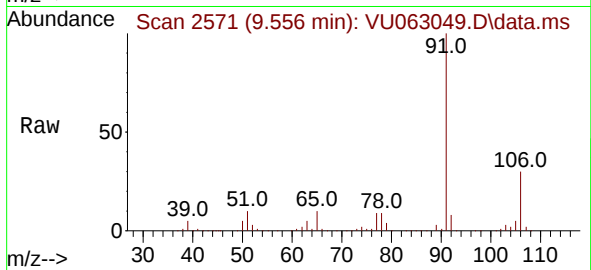




#52
Ethylbenzene
Concen: 9.748 ug/L
RT: 9.556 min Scan# 2571
Delta R.T. -0.003 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

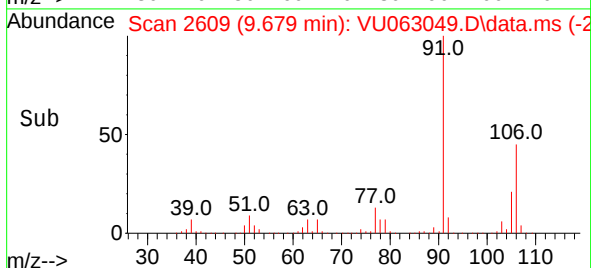
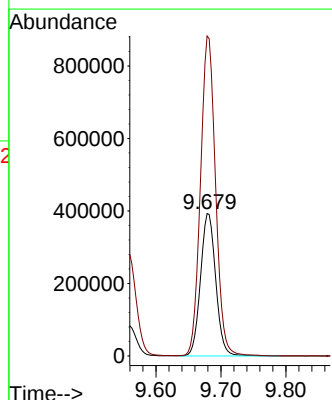
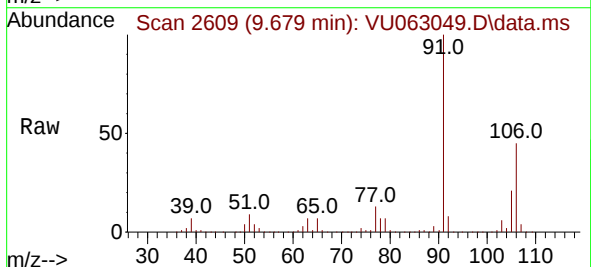
Instrument :
MSVOA_U
ClientSampleId :

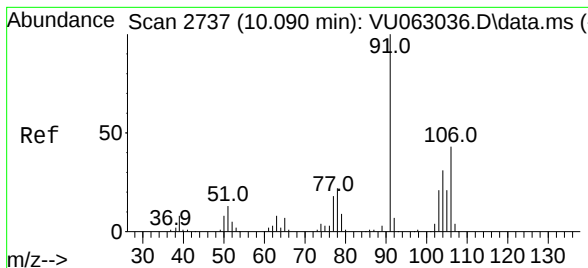
Tgt Ion: 91 Resp: 451898
Ion Ratio Lower Upper
91 100
106 29.6 21.9 40.7



#53
m,p-Xylene
Concen: 35.732 ug/L
RT: 9.679 min Scan# 2609
Delta R.T. -0.003 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

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# 21

Delta R.T. -0.003 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

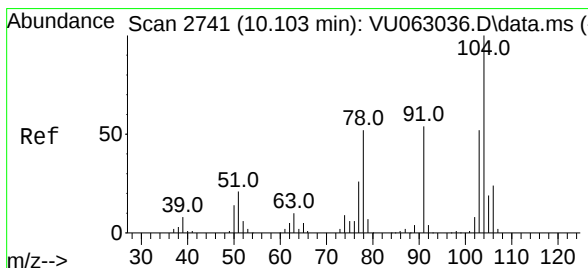
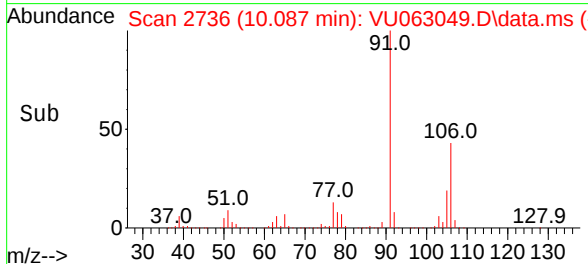
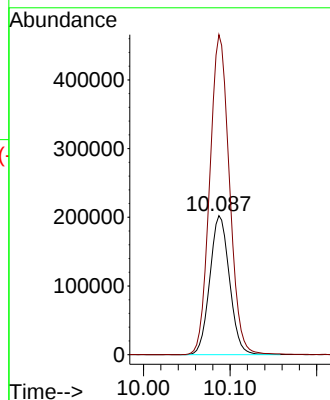
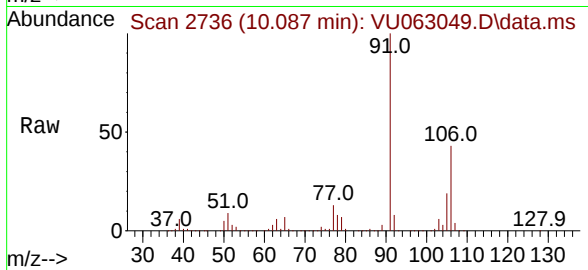
ClientSampleId :

Tgt Ion:106 Resp: 319340

Ion Ratio Lower Upper

106 100

91 230.0 160.4 297.8



#55

Styrene

Concen: 0.997 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.010 min

Lab File: VU063049.D

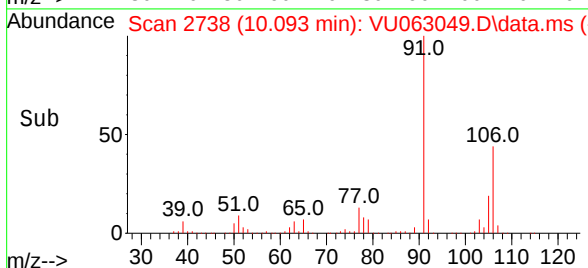
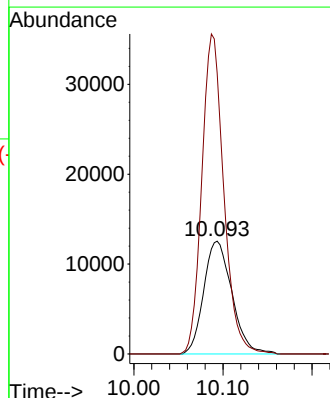
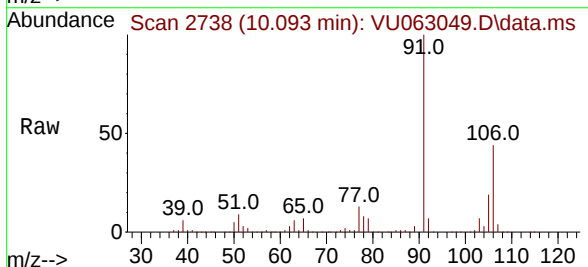
Acq: 28 Jan 2025 05:42

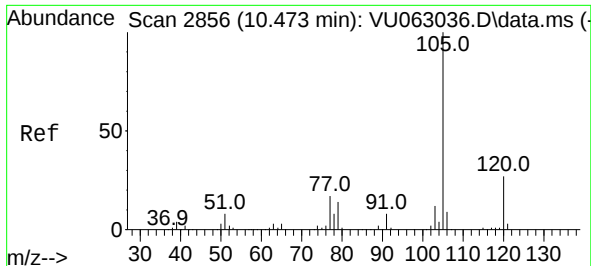
Tgt Ion:104 Resp: 27654

Ion Ratio Lower Upper

104 100

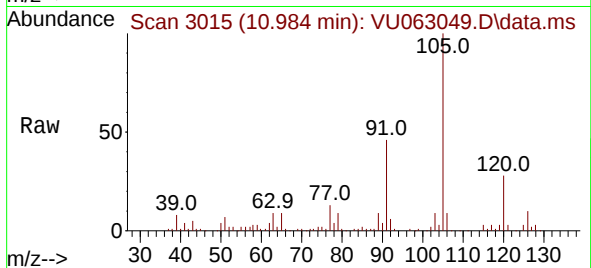
78 248.9 35.5 65.9#



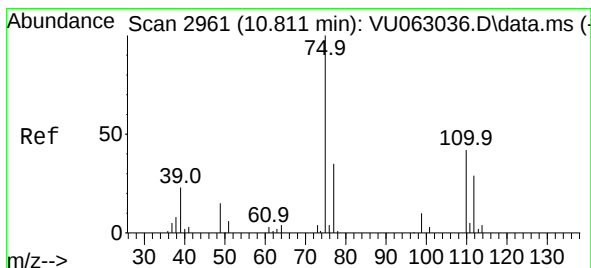
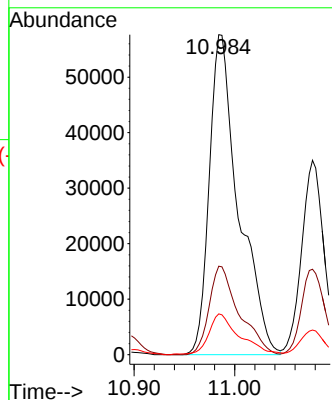
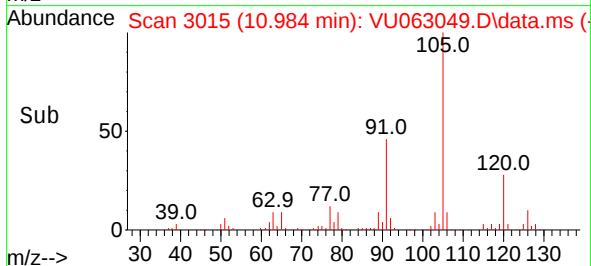


#60
Isopropylbenzene
Concen: 2.372 ug/L
RT: 10.984 min Scan# 3015
Delta R.T. 0.511 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42

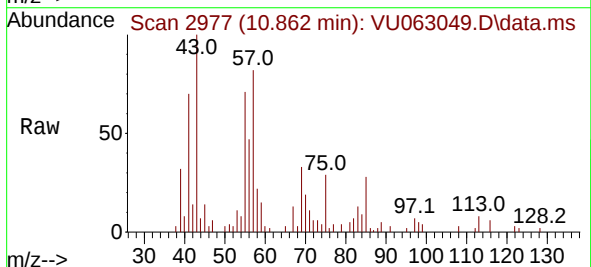
Instrument :
MSVOA_U
ClientSampleId :



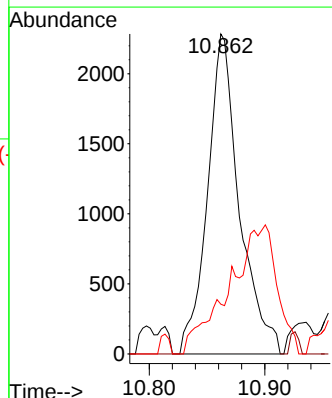
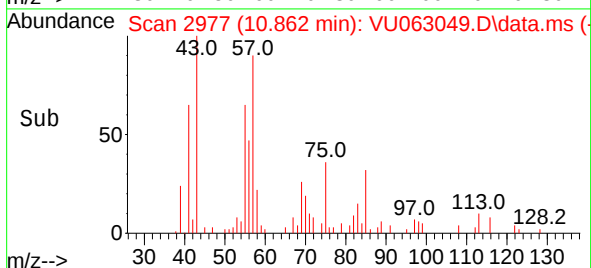
Tgt Ion:105 Resp: 116936
Ion Ratio Lower Upper
105 100
120 28.3 20.2 30.2
77 13.4 13.0 19.4

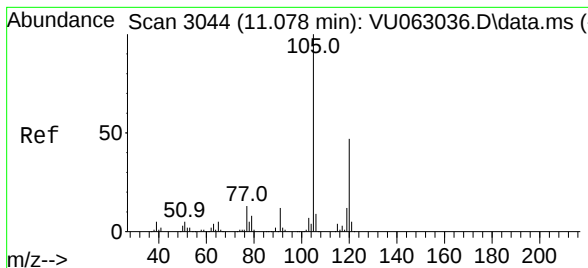


#61
1,2,3-Trichloropropane
Concen: 0.697 ug/L
RT: 10.862 min Scan# 2977
Delta R.T. 0.051 min
Lab File: VU063049.D
Acq: 28 Jan 2025 05:42



Tgt Ion: 75 Resp: 4360
Ion Ratio Lower Upper
75 100
110 27.0 33.2 49.8#
77 358.1 25.9 38.9#





#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

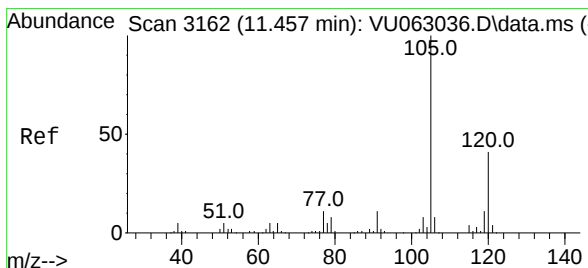
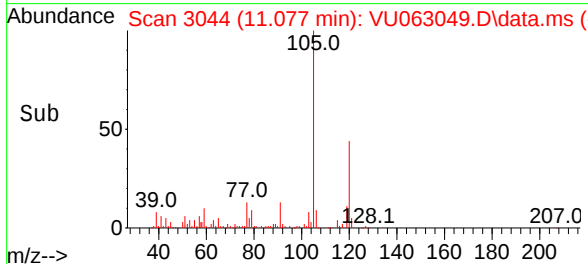
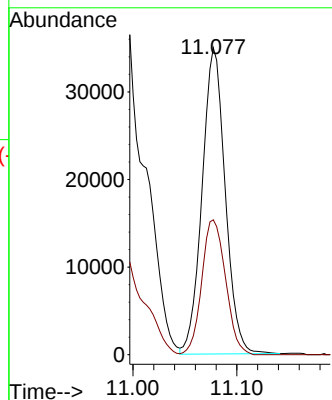
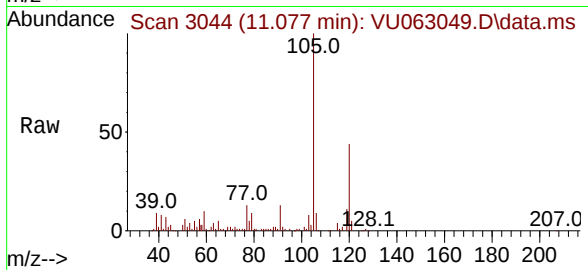
ClientSampleId :

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

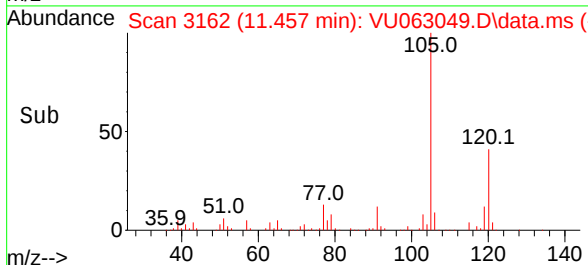
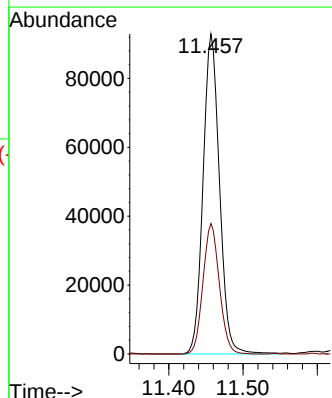
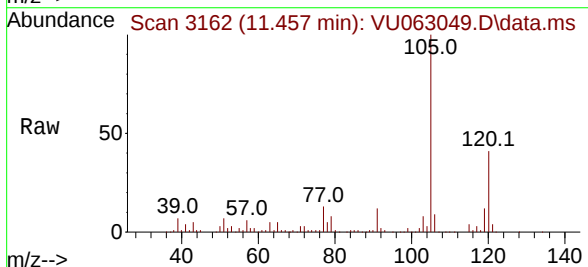
Acq: 28 Jan 2025 05:42

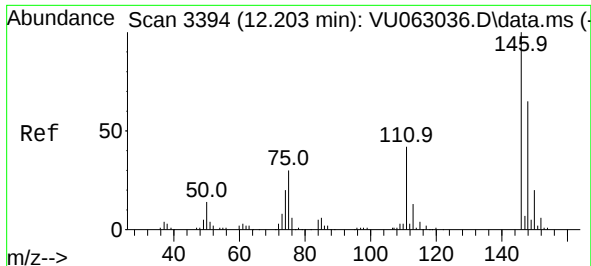
Tgt Ion:105 Resp: 142801

Ion Ratio Lower Upper

105 100

120 40.5 34.2 51.2





#67

1,2-Dichlorobenzene

Concen: 0.146 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063049.D

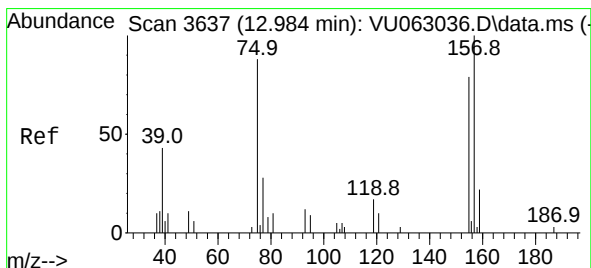
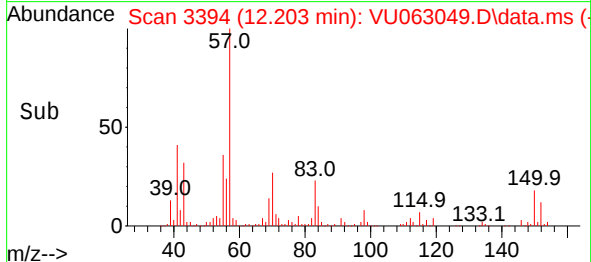
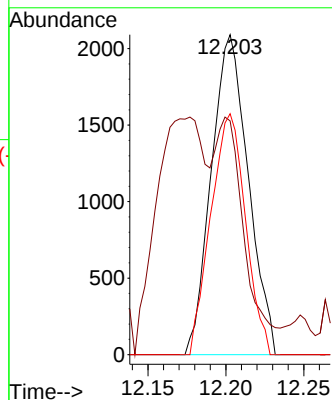
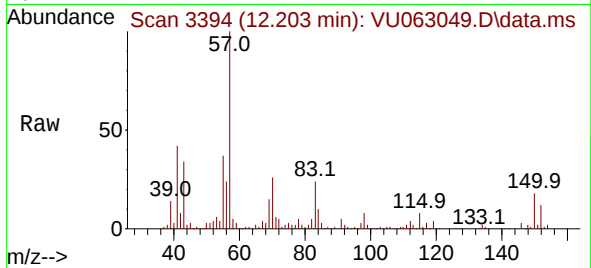
Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146 Resp: 3440
 Ion Ratio Lower Upper
 146 100
 111 73.0 36.3 54.5#
 148 75.3 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.158 ug/L

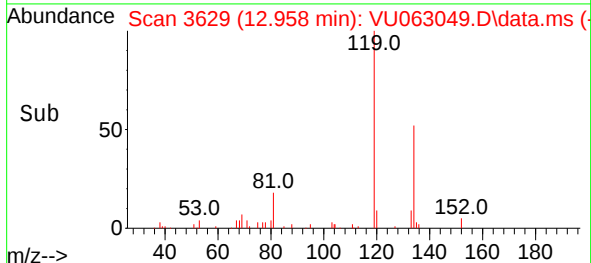
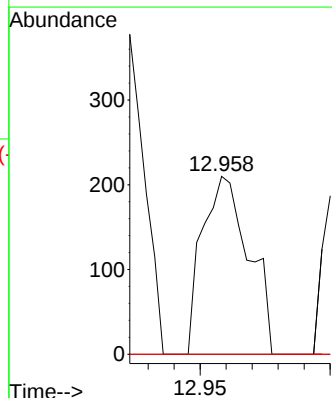
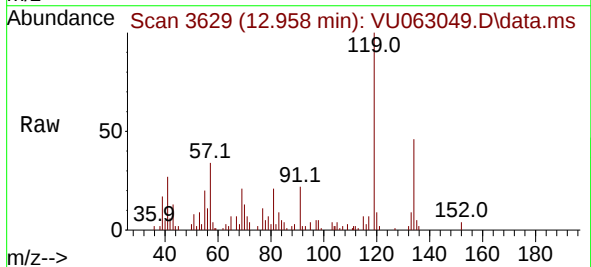
RT: 12.958 min Scan# 3629

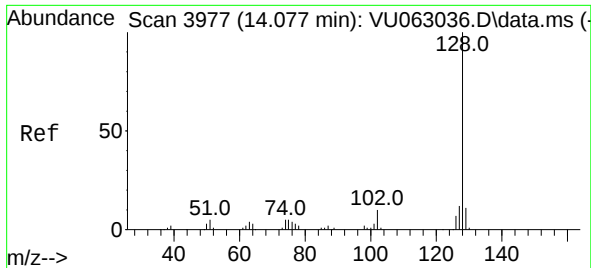
Delta R.T. -0.026 min

Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Tgt Ion: 75 Resp: 262
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.6 89.4#
 157 0.0 70.8 106.2#





#71

Naphthalene

Concen: 315.278 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.000 min

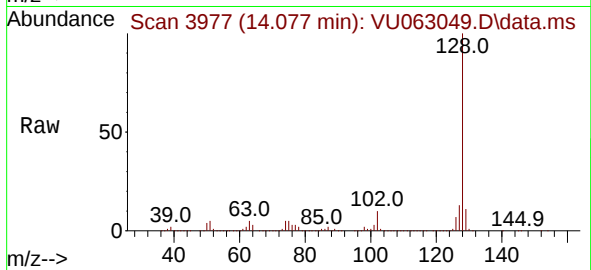
Lab File: VU063049.D

Acq: 28 Jan 2025 05:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 6329123

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 13.2 10.2 15.2

