

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020924\
 Data File : VW034113.D
 Acq On : 09 Feb 2024 15:38
 Operator : SY/MD
 Sample : P1384-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 09 23:15:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 09 22:58:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	71096	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	68488	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	35304	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	26136	4.747	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.000%
7) Chloroethane-d5	1.532	69	22223	4.608	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.060	65	12864	4.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.825	46	42844	46.330	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.660%
24) Chloroform-d	4.253	84	47331	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	4.947	65	24692	5.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	4.963	84	90916	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	5.992	67	26804	4.667	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.246	98	86599	4.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	7.561	79	10675	4.922	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.030	63	41498	53.598	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.200%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17544	5.038	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	31751	4.945	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.265	50	7531	1.060	ug/L #	49
5) Vinyl chloride	1.282	62	3161	0.465	ug/L	97
8) Chloroethane	1.548	64	1335	0.288	ug/L	97
9) Trichlorofluoromethane	1.671	101	1685	0.172	ug/L	92
14) Carbon disulfide	2.243	76	2825	0.176	ug/L #	92
15) Methyl Acetate	2.471	43	2170	1.307	ug/L #	53
17) Methyl tert-butyl Ether	2.712	73	1363	0.134	ug/L #	34
18) trans-1,2-Dichloroethene	2.696	96	1553	0.307	ug/L	87
19) 1,1-Dichloroethane	3.121	63	1129	0.121	ug/L #	85
22) cis-1,2-Dichloroethene	3.825	96	2858	0.498	ug/L	96
30) Cyclohexane	4.580	56	2523	0.282	ug/L #	79
33) Benzene	5.015	78	76019	3.701	ug/L	100
34) Trichloroethene	5.854	95	541	0.091	ug/L	91
35) Methylcyclohexane	6.050	83	1912	0.205	ug/L	91
42) Toluene	7.323	91	12197	0.556	ug/L	96
51) Chlorobenzene	8.818	112	25473	1.835	ug/L	100
53) m,p-Xylene	9.085	106	894	0.094	ug/L	73
61) 1,2,3-Trichloropropane	11.188	75	4451	1.834	ug/L #	64
67) 1,2-Dichlorobenzene	11.583	146	1752	0.179	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 09 22:58:56 2024
Response via : Initial Calibration

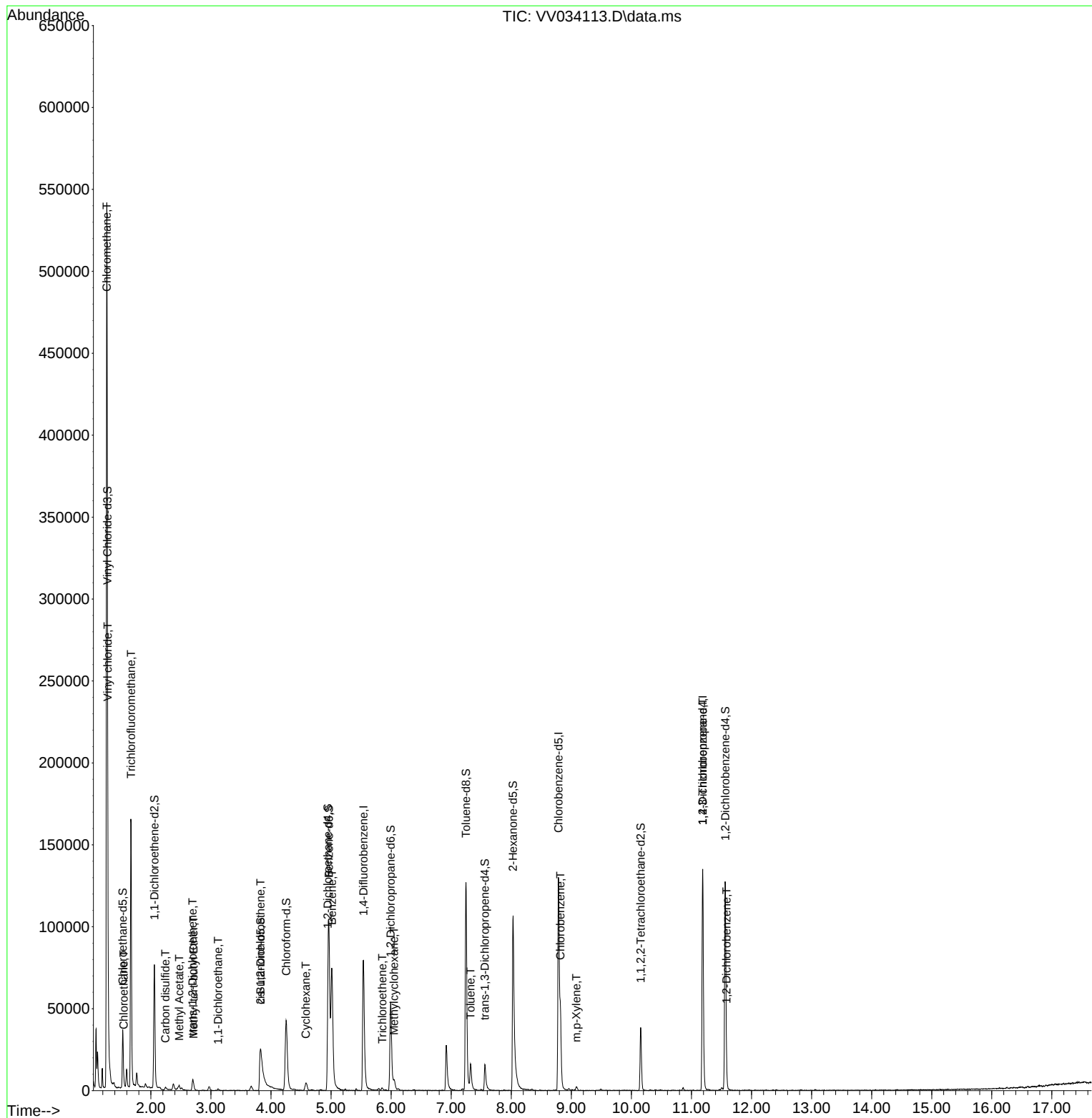
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

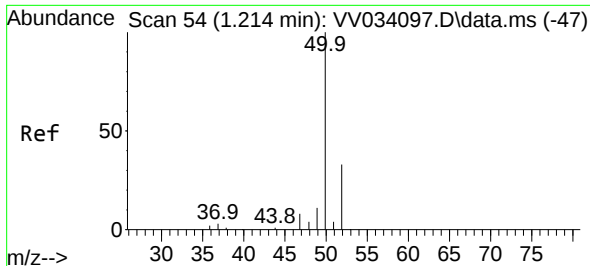
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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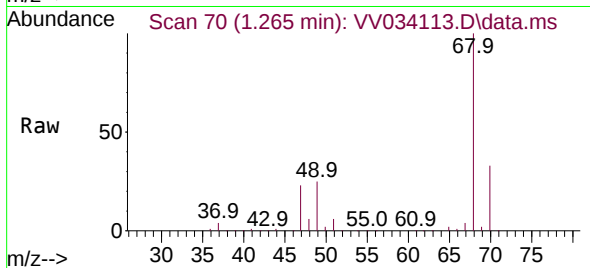
Quant Time: Feb 09 23:15:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
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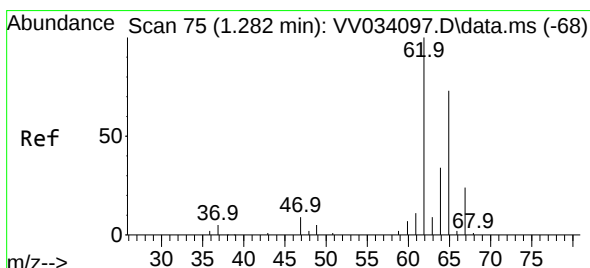
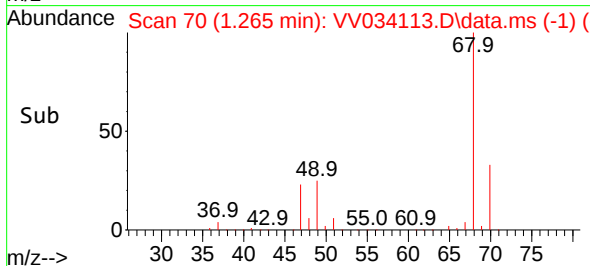
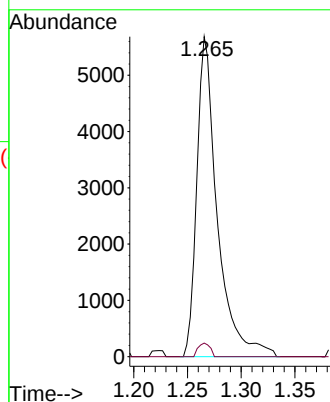


#3
Chloromethane
Concen: 1.060 ug/L
RT: 1.265 min Scan# 70
Delta R.T. 0.051 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Instrument :
MSVOA_V
ClientSampleId :

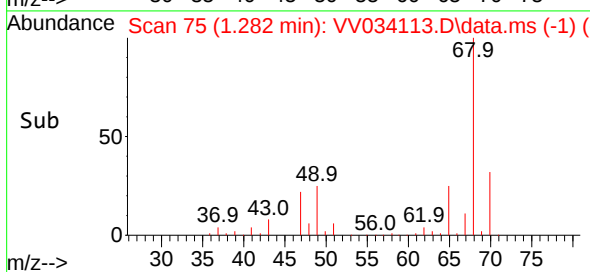
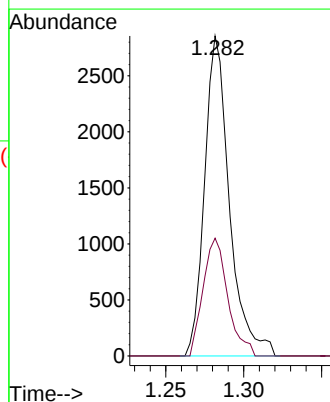
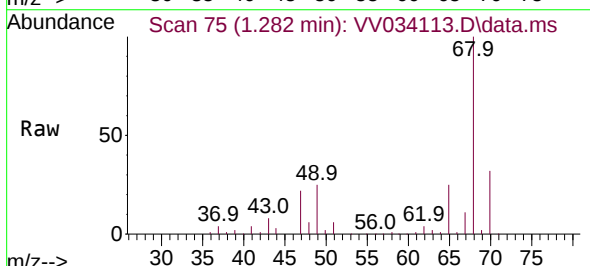


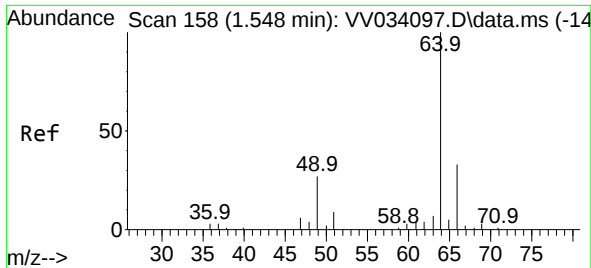
Tgt Ion: 50 Resp: 7531
Ion Ratio Lower Upper
50 100
52 4.2 23.4 43.4#



#5
Vinyl chloride
Concen: 0.465 ug/L
RT: 1.282 min Scan# 75
Delta R.T. -0.000 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

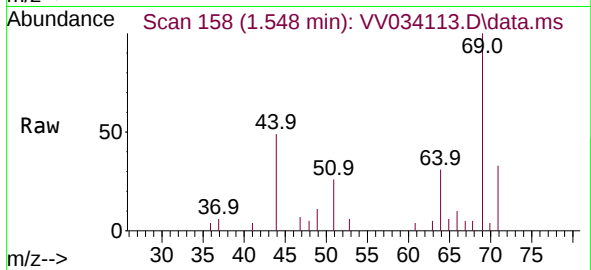
Tgt Ion: 62 Resp: 3161
Ion Ratio Lower Upper
62 100
64 36.8 27.2 50.4



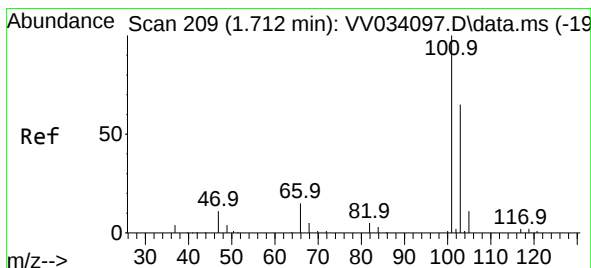
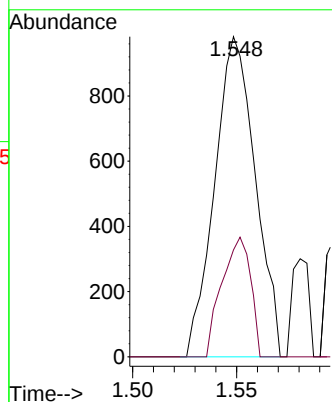
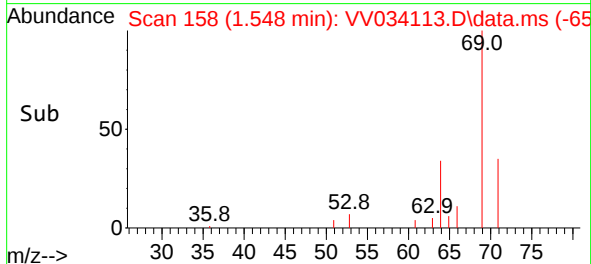


#8
Chloroethane
Concen: 0.288 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Instrument :
MSVOA_V
ClientSampleId :

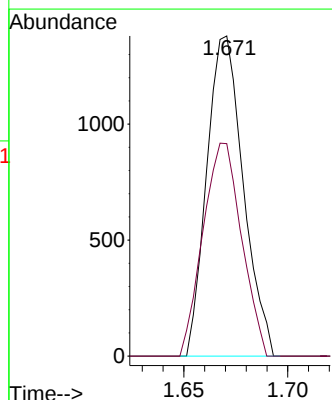
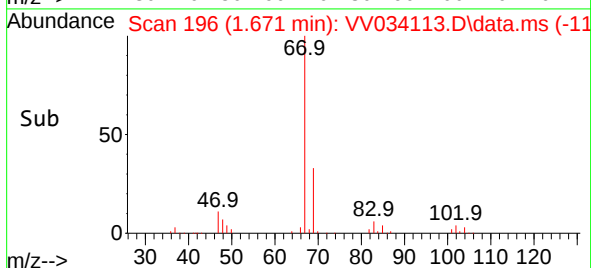
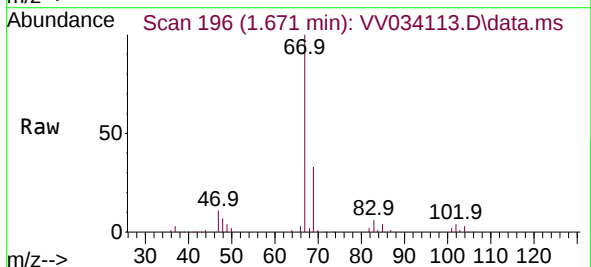


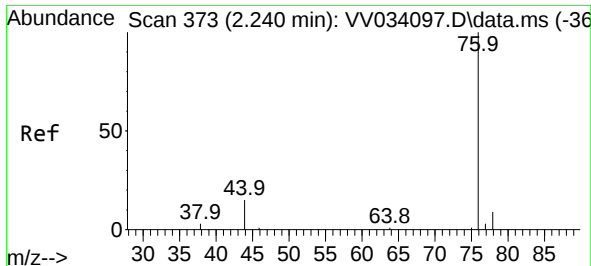
Tgt Ion: 64 Resp: 1335
Ion Ratio Lower Upper
64 100
66 33.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 0.172 ug/L
RT: 1.671 min Scan# 196
Delta R.T. -0.042 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Tgt Ion:101 Resp: 1685
Ion Ratio Lower Upper
101 100
103 70.2 51.0 76.4

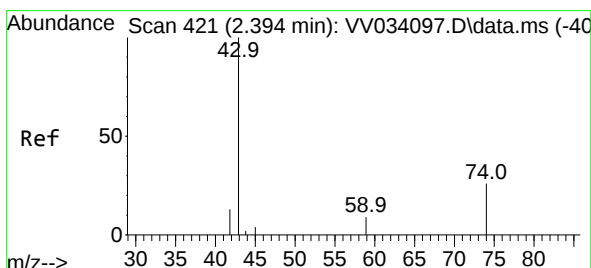
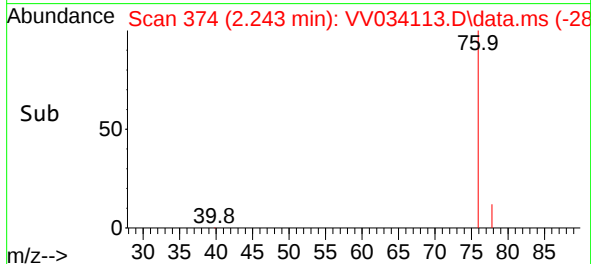
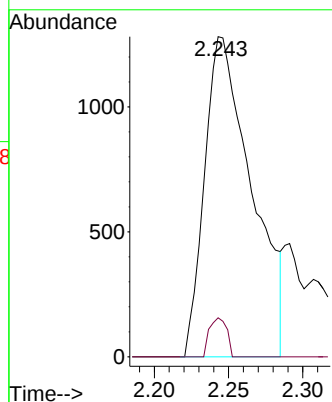
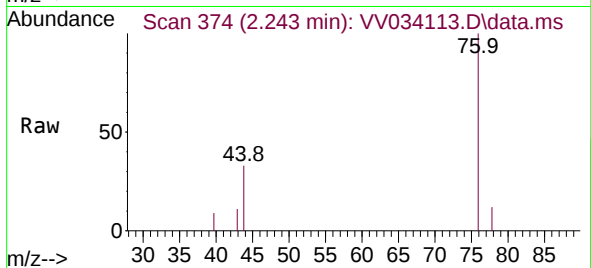




#14
Carbon disulfide
Concen: 0.176 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

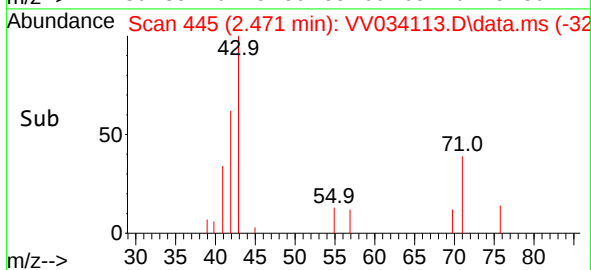
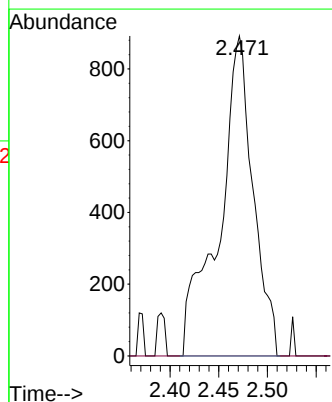
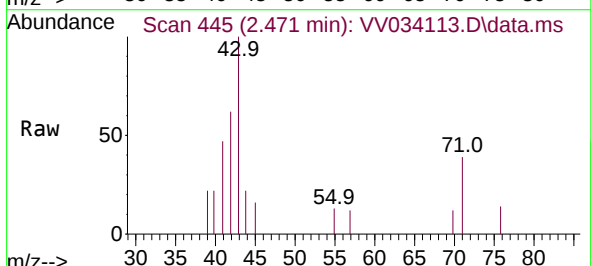
Instrument :
MSVOA_V
ClientSampleId :

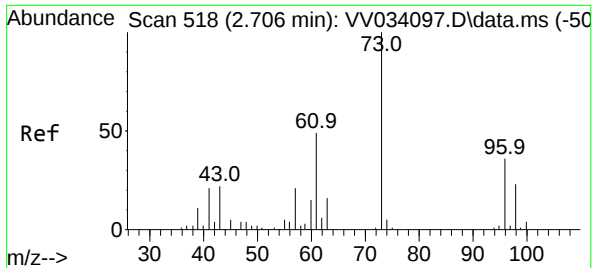
Tgt Ion: 76 Resp: 2825
Ion Ratio Lower Upper
76 100
78 12.2 7.5 11.3#



#15
Methyl Acetate
Concen: 1.307 ug/L
RT: 2.471 min Scan# 445
Delta R.T. 0.077 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

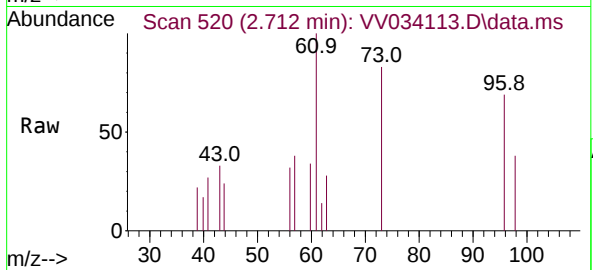
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#





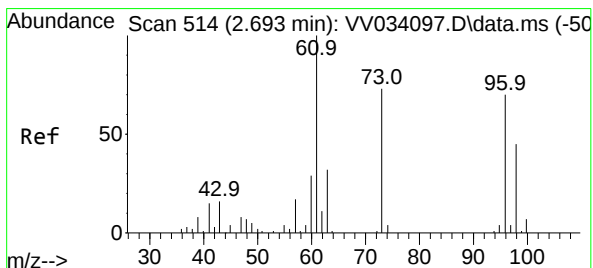
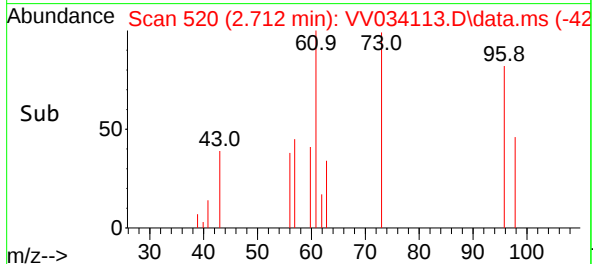
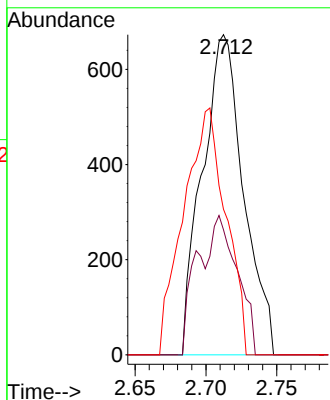
#17
Methyl tert-butyl Ether
Concen: 0.134 ug/L
RT: 2.712 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 73 Resp: 1363

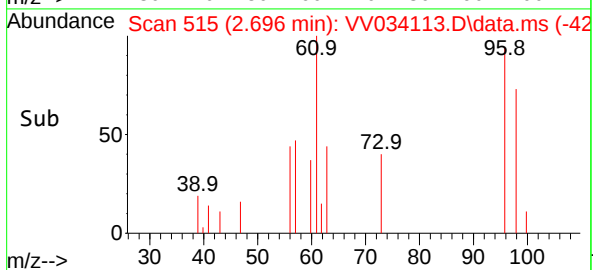
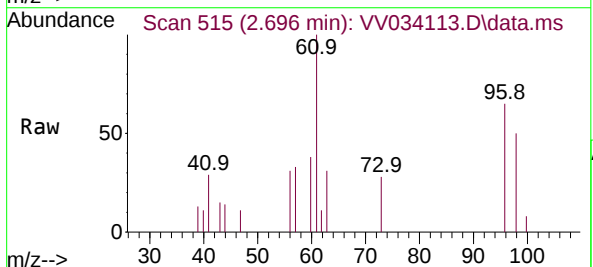
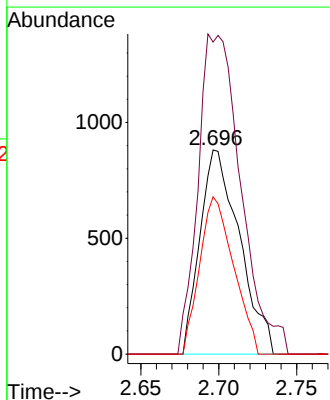
Ion	Ratio	Lower	Upper
73	100		
43	28.5	17.7	26.5#
57	78.5	17.9	26.9#

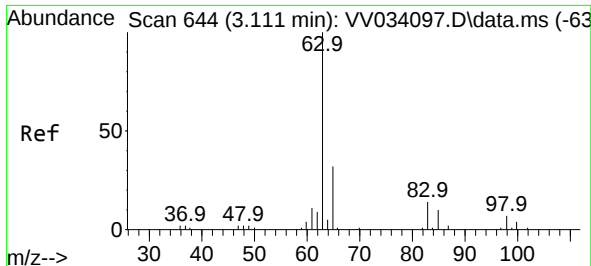


#18
trans-1,2-Dichloroethene
Concen: 0.307 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Tgt Ion: 96 Resp: 1553

Ion	Ratio	Lower	Upper
96	100		
61	152.9	97.6	181.4
98	77.1	44.4	82.5





#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :

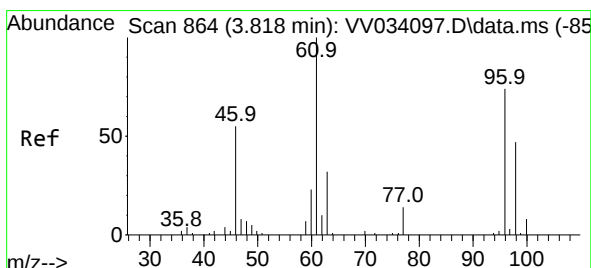
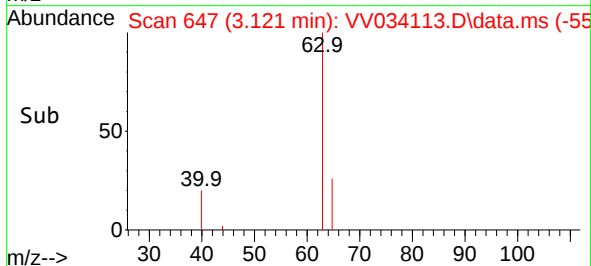
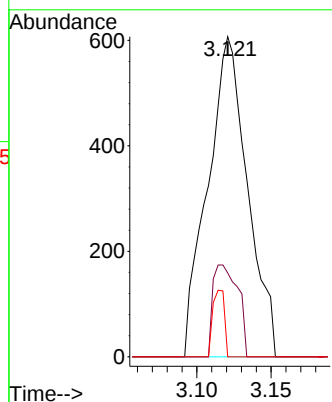
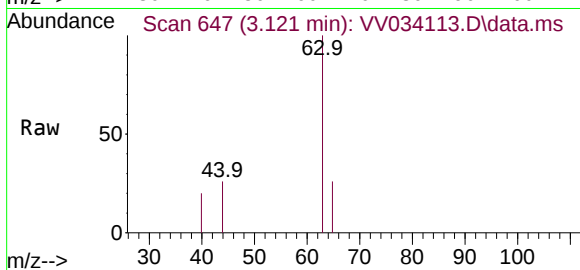
Tgt Ion: 63 Resp: 1129

Ion Ratio Lower Upper

63 100

65 26.2 20.8 38.6

83 0.0 9.4 17.4#



#22

cis-1,2-Dichloroethene

Concen: 0.498 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.006 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

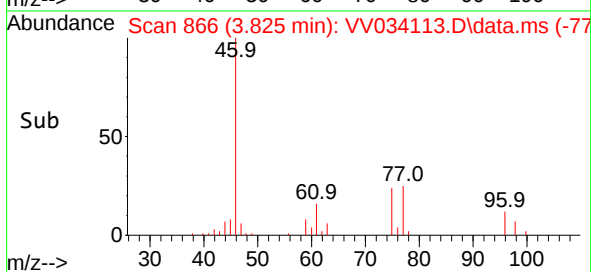
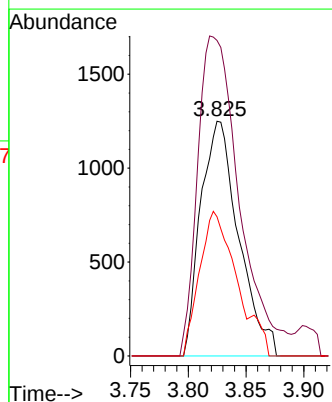
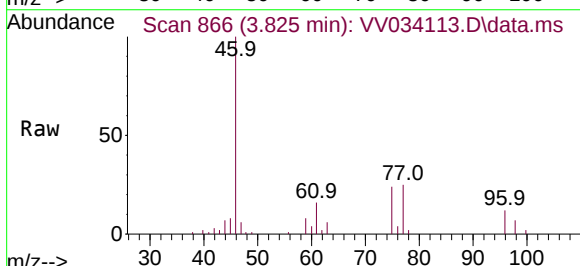
Tgt Ion: 96 Resp: 2858

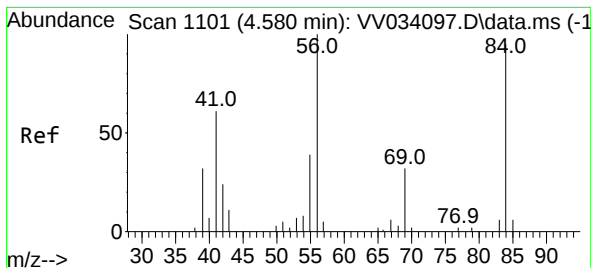
Ion Ratio Lower Upper

96 100

61 134.4 90.3 167.7

98 59.3 43.2 80.2





#30

Cyclohexane

Concen: 0.282 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

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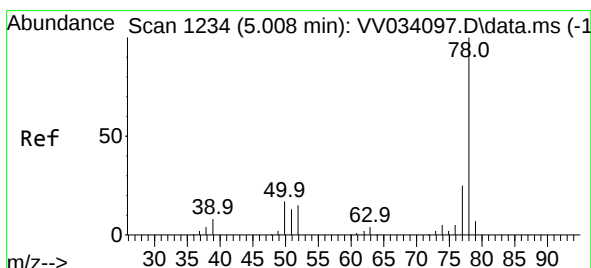
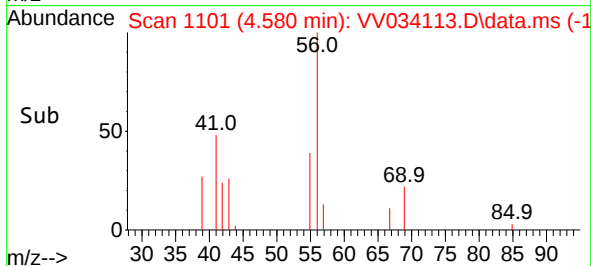
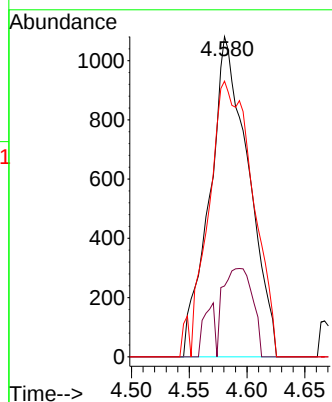
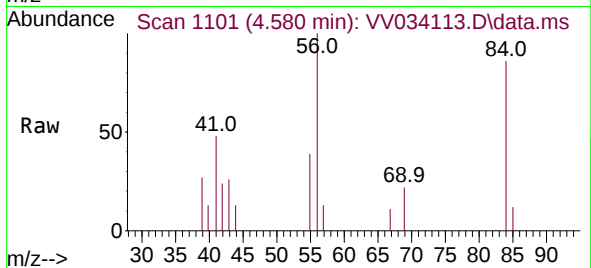
Tgt Ion: 56 Resp: 2523

Ion Ratio Lower Upper

56 100

69 4.7 24.2 36.2#

84 98.6 70.0 105.0



#33

Benzene

Concen: 3.701 ug/L

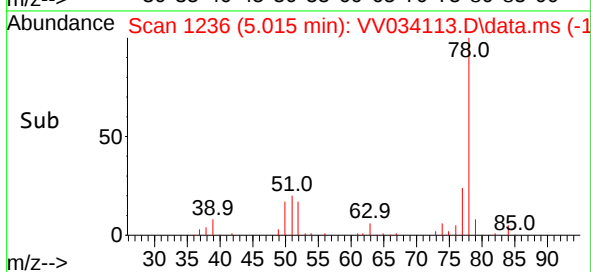
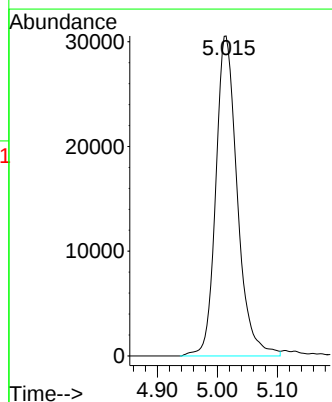
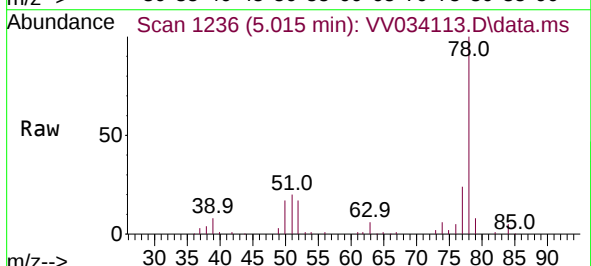
RT: 5.015 min Scan# 1236

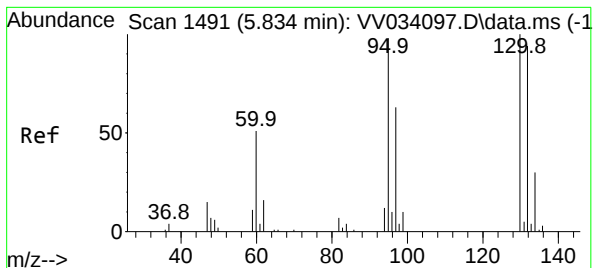
Delta R.T. 0.006 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

Tgt Ion: 78 Resp: 76019





#34

Trichloroethene

Concen: 0.091 ug/L

RT: 5.854 min Scan# 1491

Delta R.T. 0.019 min

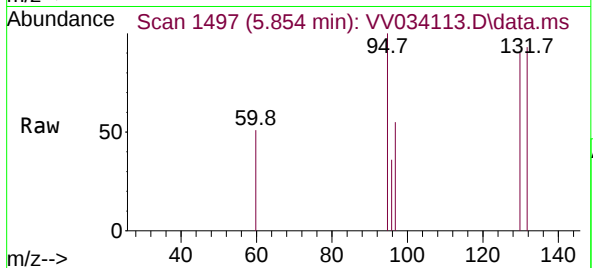
Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 541

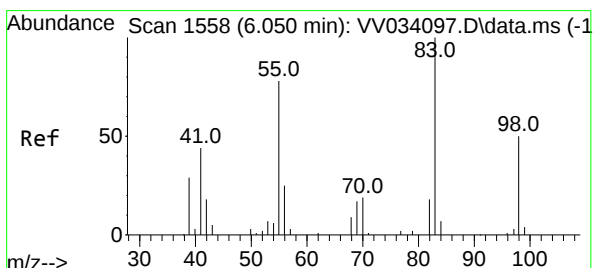
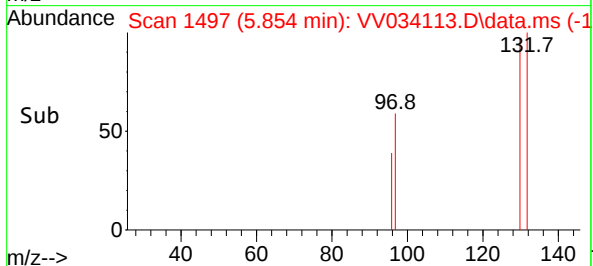
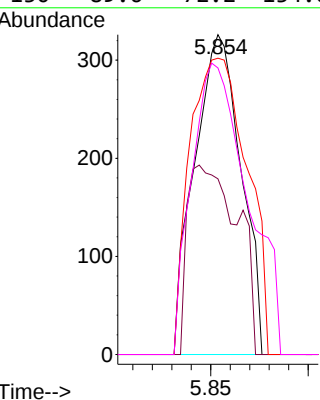
Ion Ratio Lower Upper

95 100

97 54.9 45.1 83.7

132 92.6 66.0 122.6

130 89.6 72.2 134.0



#35

Methylcyclohexane

Concen: 0.205 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

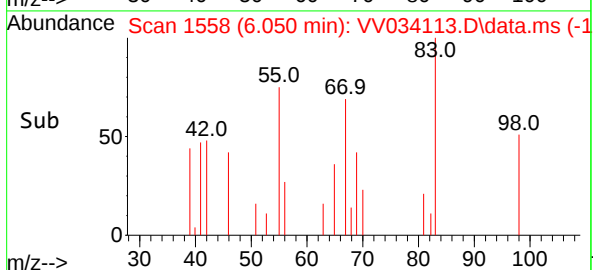
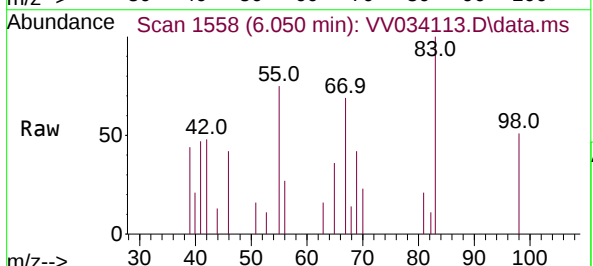
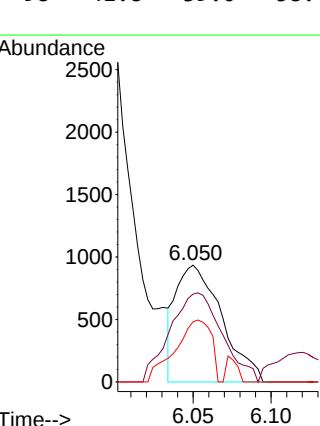
Tgt Ion: 83 Resp: 1912

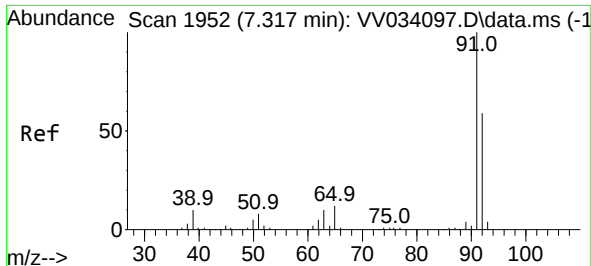
Ion Ratio Lower Upper

83 100

55 86.5 63.5 95.3

98 41.8 39.0 58.4





#42

Toluene

Concen: 0.556 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

Instrument :

MSVOA_V

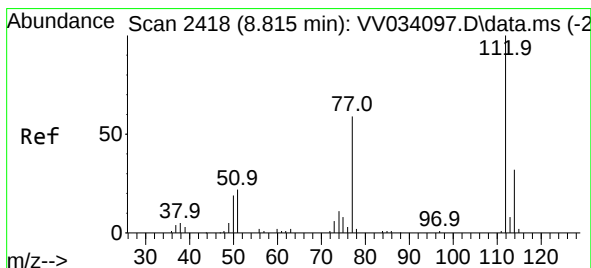
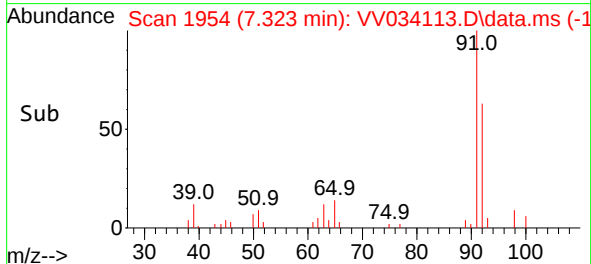
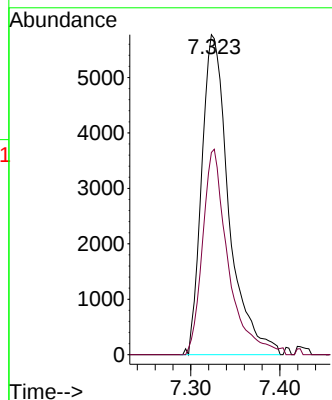
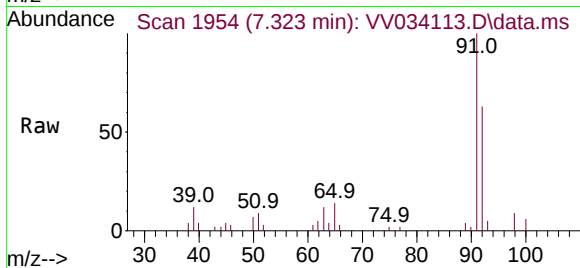
ClientSampleId :

Tgt Ion: 91 Resp: 12197

Ion Ratio Lower Upper

91 100

92 63.2 42.1 78.3



#51

Chlorobenzene

Concen: 1.835 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

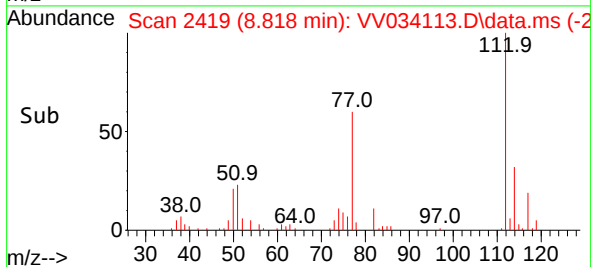
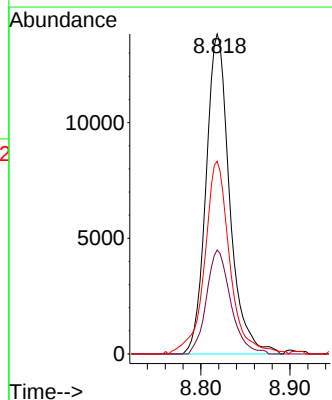
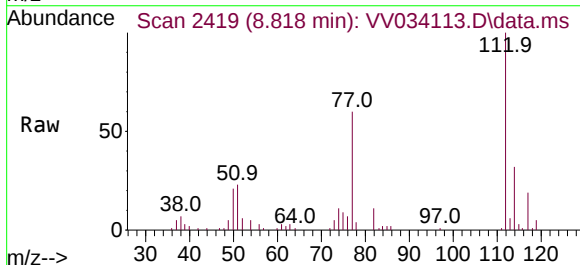
Tgt Ion: 112 Resp: 25473

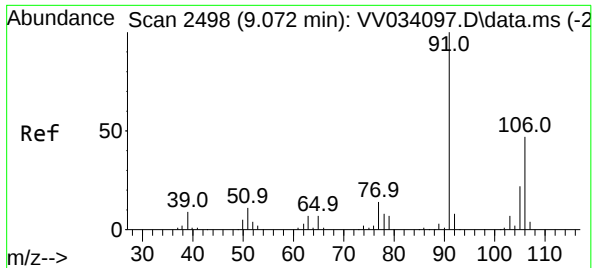
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.7

77 60.2 48.1 72.1

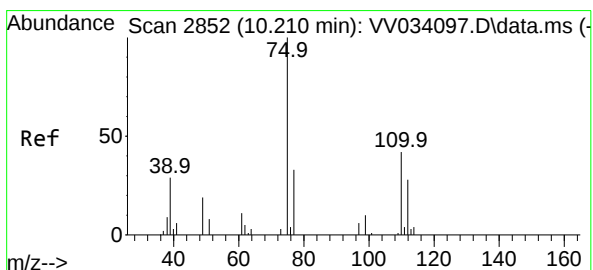
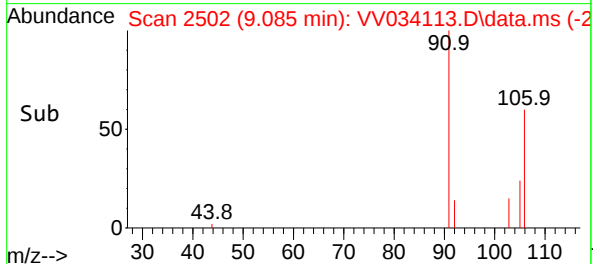
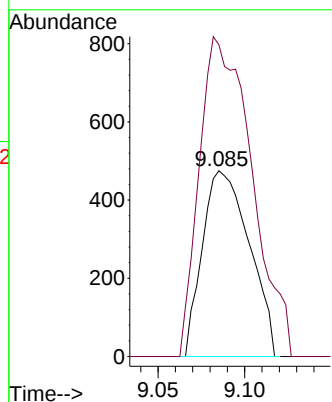
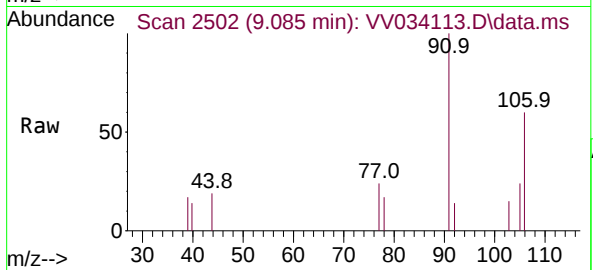




#53
m,p-Xylene
Concen: 0.094 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

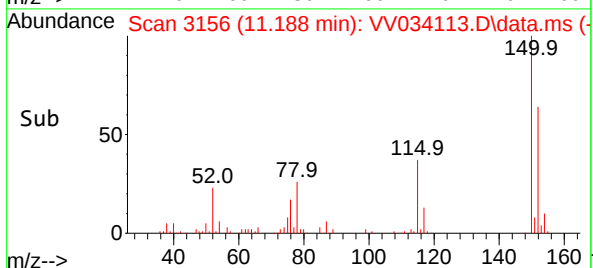
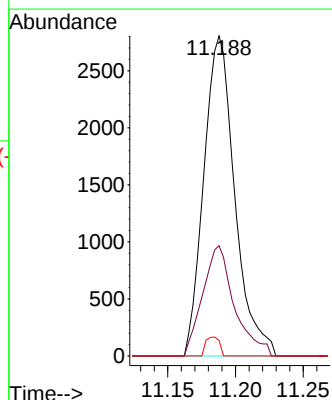
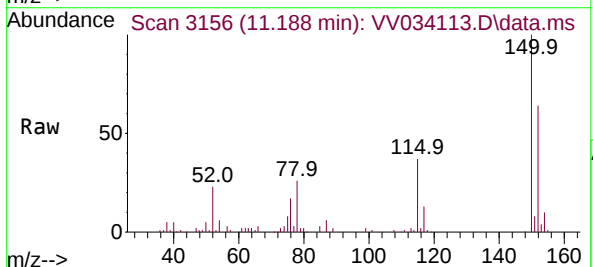
Instrument :
MSVOA_V
ClientSampleId :

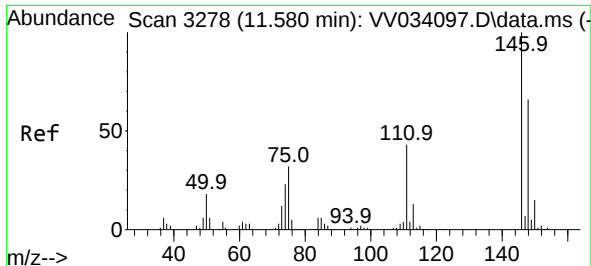
Tgt Ion:106 Resp: 894
Ion Ratio Lower Upper
106 100
91 167.8 147.5 273.9



#61
1,2,3-Trichloropropane
Concen: 1.834 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.977 min
Lab File: VV034113.D
Acq: 09 Feb 2024 15:38

Tgt Ion: 75 Resp: 4451
Ion Ratio Lower Upper
75 100
77 35.4 26.9 40.3
110 2.6 33.3 49.9#





#67

1,2-Dichlorobenzene

Concen: 0.179 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

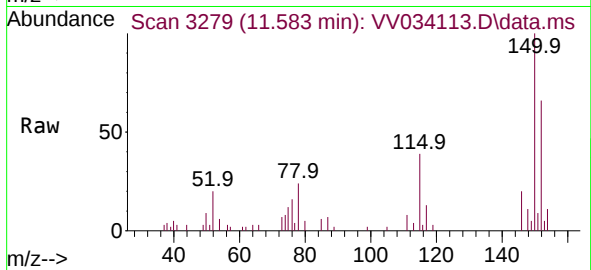
Lab File: VV034113.D

Acq: 09 Feb 2024 15:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 1752

Ion Ratio Lower Upper

146 100

111 41.2 31.2 46.8

148 55.6 49.8 74.8

