

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036051.D
 Acq On : 13 Jun 2024 10:42
 Operator : SY/MD
 Sample : P2850-08
 Misc : 5.48g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 01:16:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 01:10:24 2024
 Response via : Initial Calibration

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

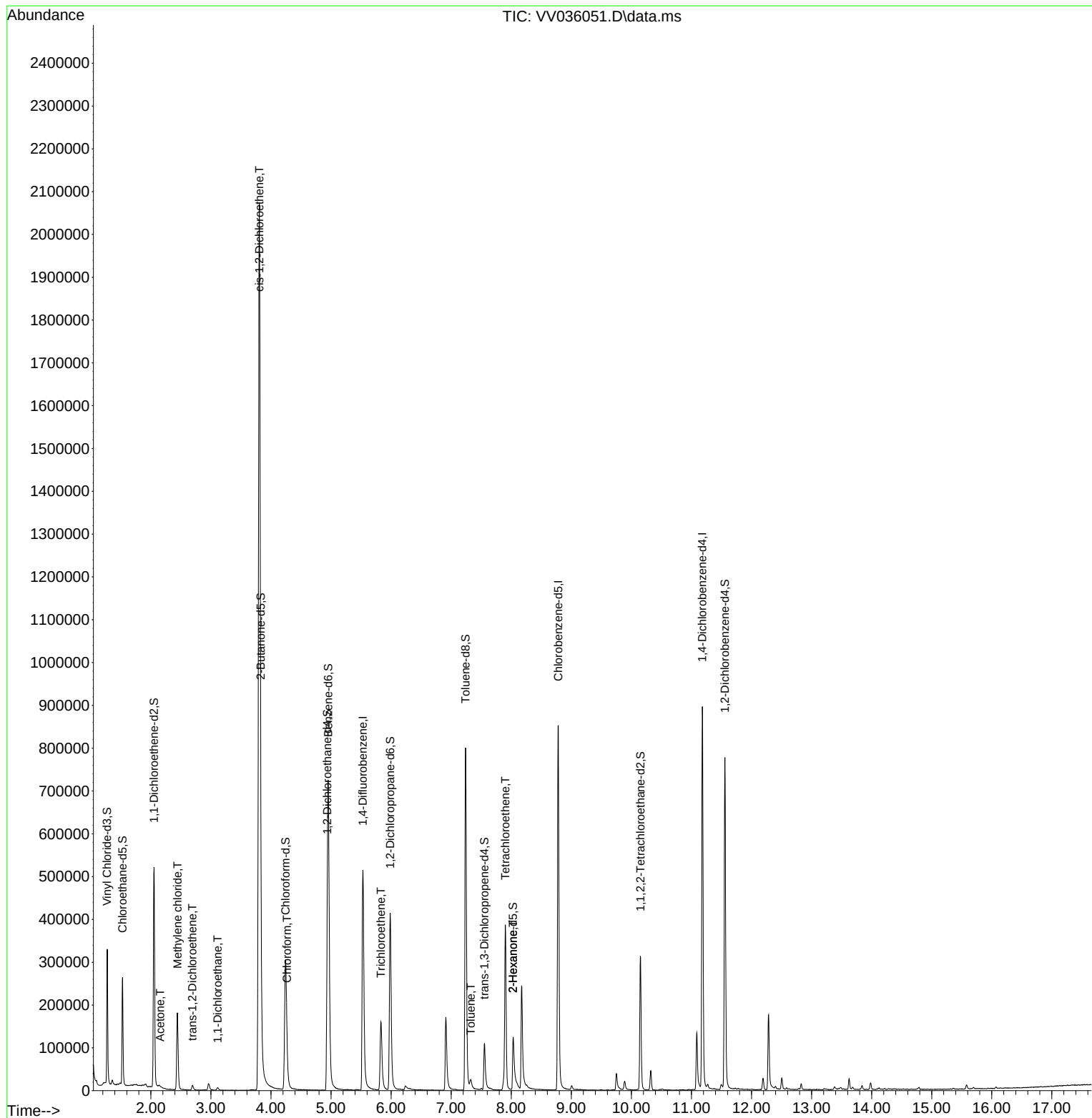
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	457977	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	478398	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	230804	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	207091	24.595	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.400%
7) Chloroethane-d5	1.529	69	164821	24.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.053	65	88510	23.613	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.440%
21) 2-Butanone-d5	3.828	46	17565	9.092	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	18.180%#
24) Chloroform-d	4.243	84	337456	23.177	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.720%
26) 1,2-Dichloroethane-d4	4.937	65	179374	23.497	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	4.953	84	665951	23.418	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.680%
36) 1,2-Dichloropropane-d6	5.985	67	214350	23.936	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.760%
41) Toluene-d8	7.239	98	551768	21.991	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.960%
43) trans-1,3-Dichloroprop...	7.551	79	68805	18.739	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.960%
47) 2-Hexanone-d5	8.030	63	49003	40.388	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.780%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	158617	23.703	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	202936	23.977	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.920%
Target Compounds						Qvalue
13) Acetone	2.153	43	7679	2.552	ug/L	94
16) Methylene chloride	2.442	84	77803	7.508	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	4388	0.563	ug/L	95
19) 1,1-Dichloroethane	3.111	63	6836	0.461	ug/L	97
20) cis-1,2-Dichloroethene	3.805	96	1161231	148.342	ug/L	99
25) Chloroform	4.265	83	7607	0.498	ug/L #	74
34) Trichloroethene	5.831	95	56722	5.915	ug/L	99
42) Toluene	7.326	91	18932	0.592	ug/L	98
46) Tetrachloroethene	7.902	164	88038	12.553	ug/L	99
48) 2-Hexanone	8.030	43	5380	1.542	ug/L #	56

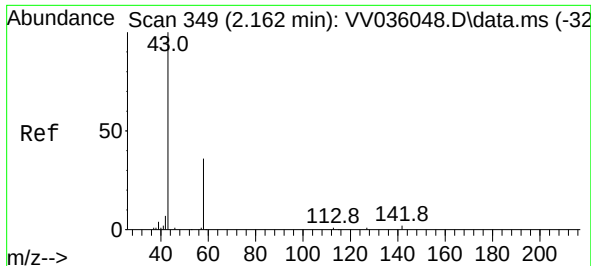
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:10:24 2024
Response via : Initial Calibration





#13

Acetone

Concen: 2.552 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

Instrument :

MSVOA_V

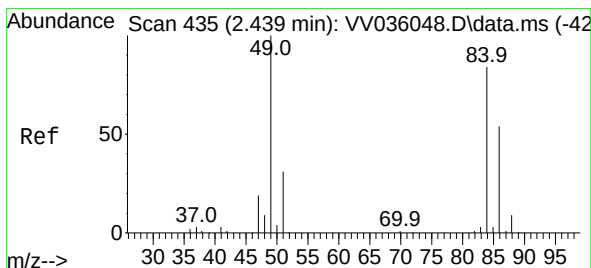
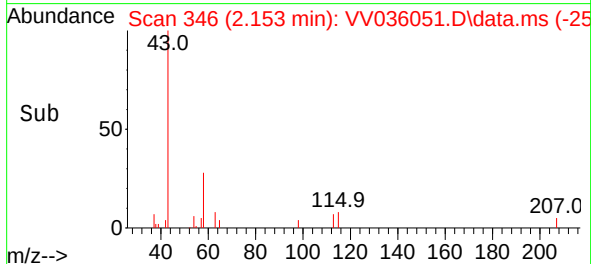
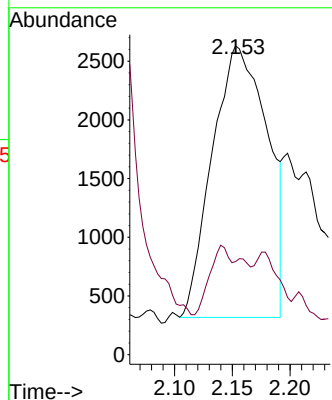
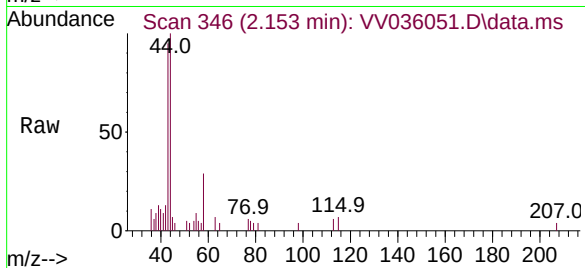
ClientSampleId :

Tgt Ion: 43 Resp: 7679

Ion Ratio Lower Upper

43 100

58 9.6 0.0 24.2



#16

Methylene chloride

Concen: 7.508 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

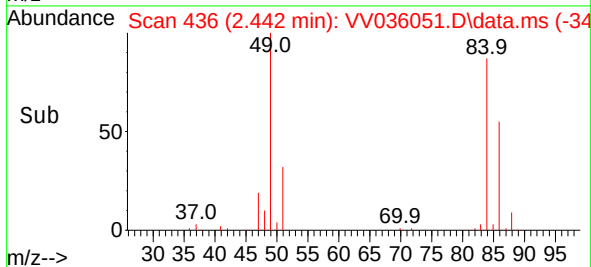
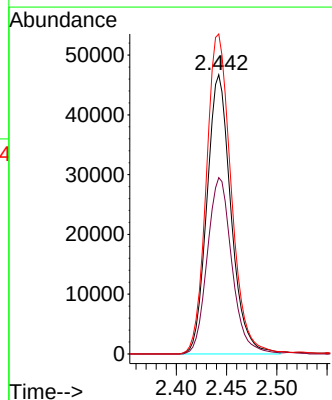
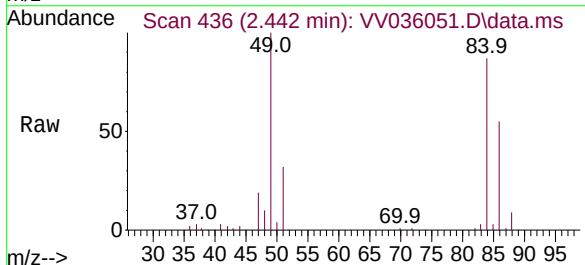
Tgt Ion: 84 Resp: 77803

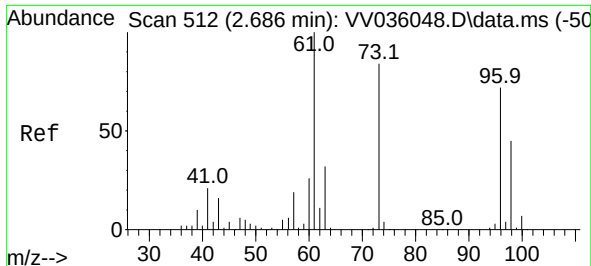
Ion Ratio Lower Upper

84 100

86 63.1 44.6 82.8

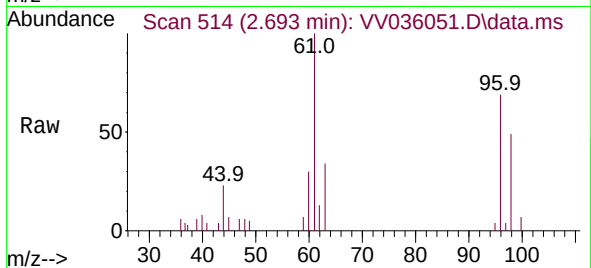
49 114.6 81.1 150.5





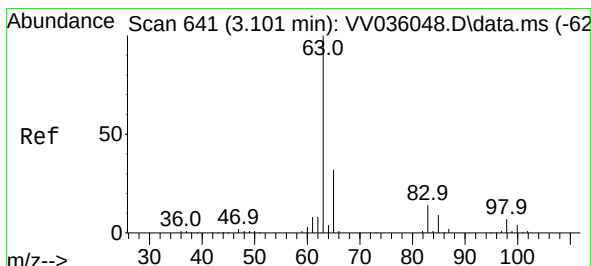
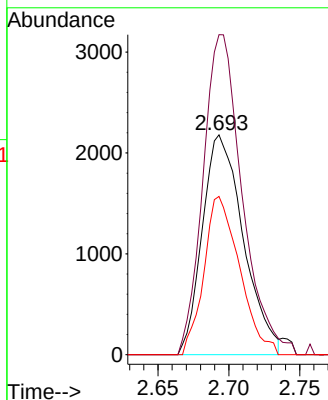
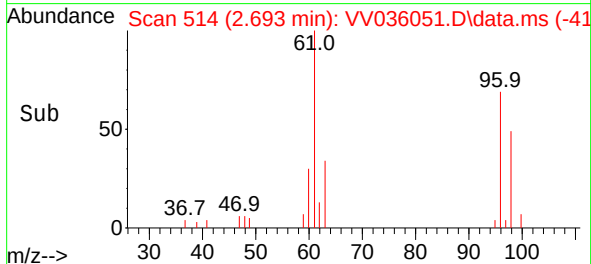
#17
trans-1,2-Dichloroethene
Concen: 0.563 ug/L
RT: 2.693 min Scan# 512
Delta R.T. 0.006 min
Lab File: VV036051.D
Acq: 13 Jun 2024 10:42

Instrument :
MSVOA_V
ClientSampleId :

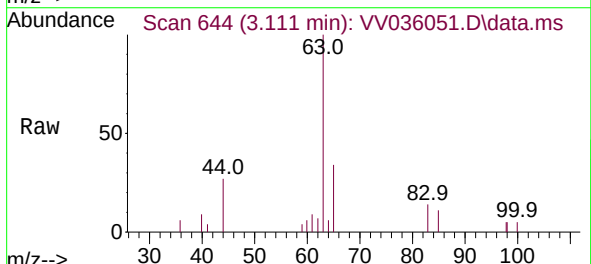


Tgt Ion: 96 Resp: 4388

Ion	Ratio	Lower	Upper
96	100		
61	145.6	99.4	184.6
98	72.0	44.9	83.3

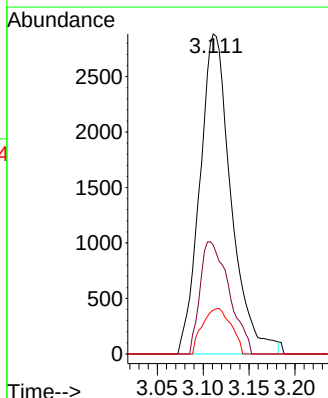
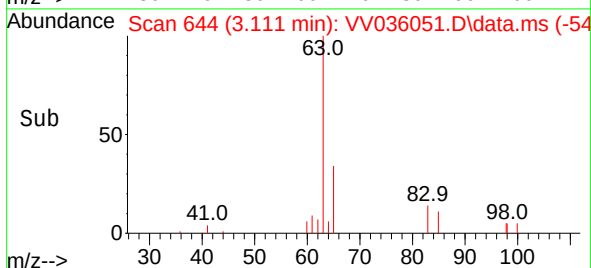


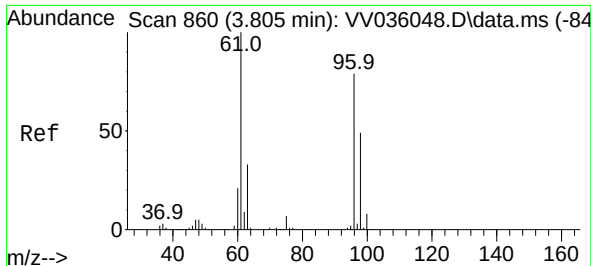
#19
1,1-Dichloroethane
Concen: 0.461 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV036051.D
Acq: 13 Jun 2024 10:42



Tgt Ion: 63 Resp: 6836

Ion	Ratio	Lower	Upper
63	100		
65	34.0	22.4	41.6
83	13.7	9.2	17.0





#20

cis-1,2-Dichloroethene

Concen: 148.342 ug/L

RT: 3.805 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

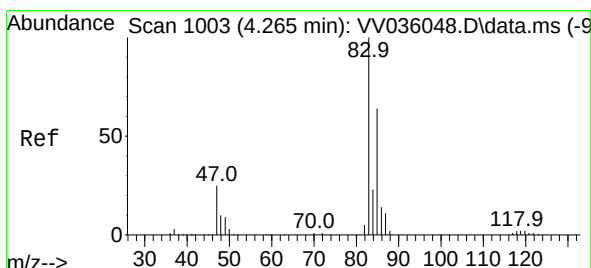
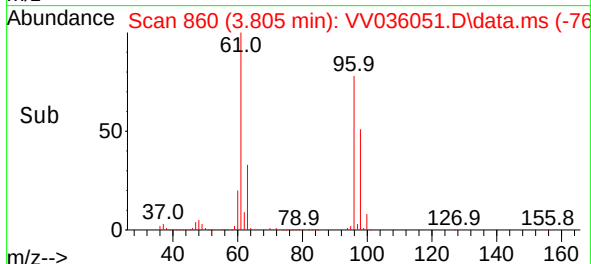
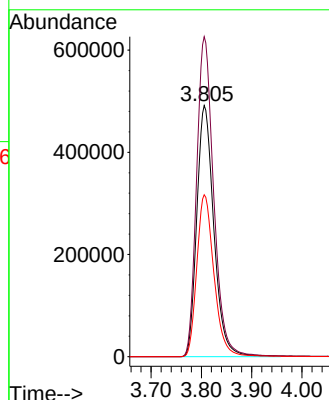
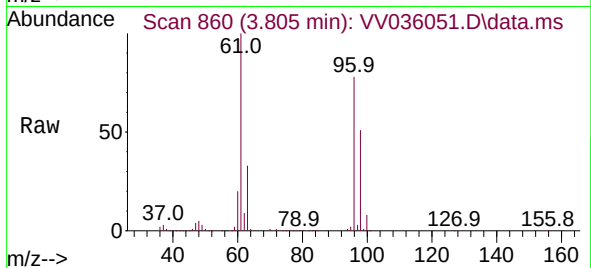
Tgt Ion: 96 Resp: 1161231

Ion Ratio Lower Upper

96 100

61 127.4 87.9 163.3

98 64.5 44.4 82.5



#25

Chloroform

Concen: 0.498 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VV036051.D

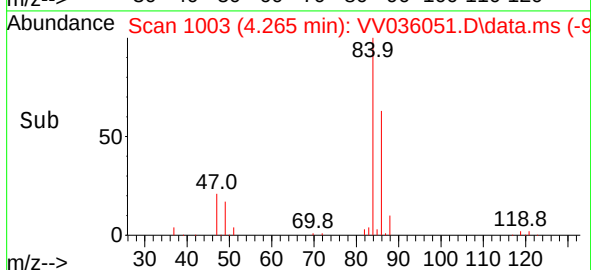
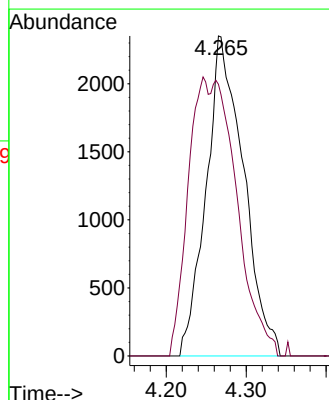
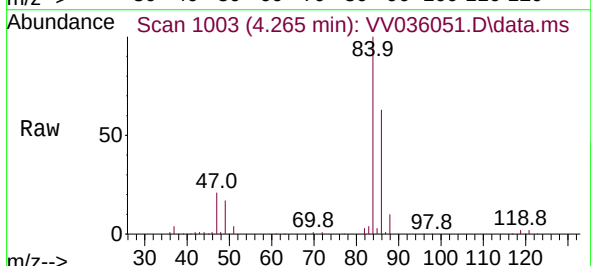
Acq: 13 Jun 2024 10:42

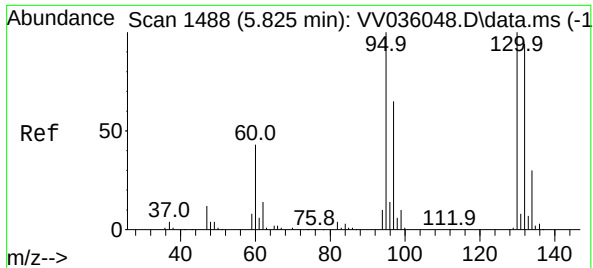
Tgt Ion: 83 Resp: 7607

Ion Ratio Lower Upper

83 100

85 84.9 45.2 84.0#





#34

Trichloroethene

Concen: 5.915 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 56722

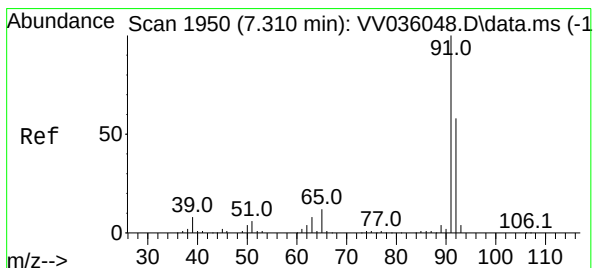
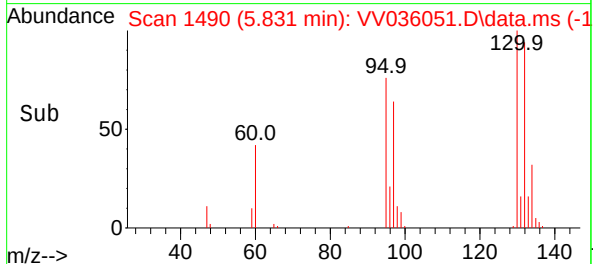
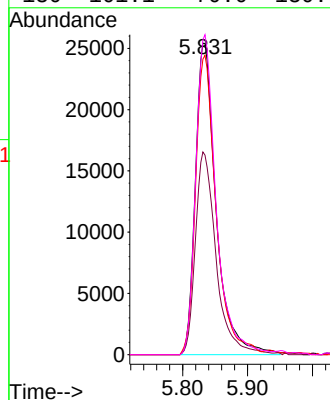
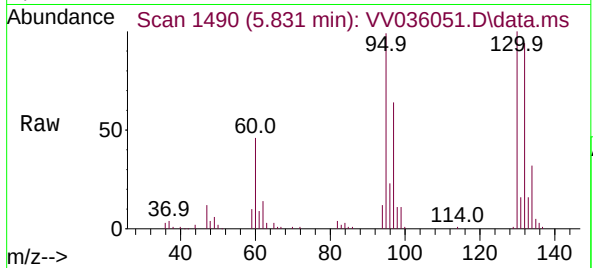
Ion Ratio Lower Upper

95 100

97 65.1 44.8 83.2

132 94.9 66.8 124.2

130 101.1 70.0 130.0



#42

Toluene

Concen: 0.592 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VV036051.D

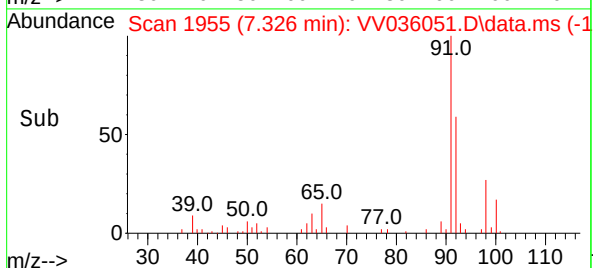
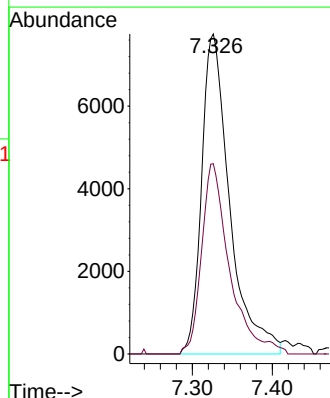
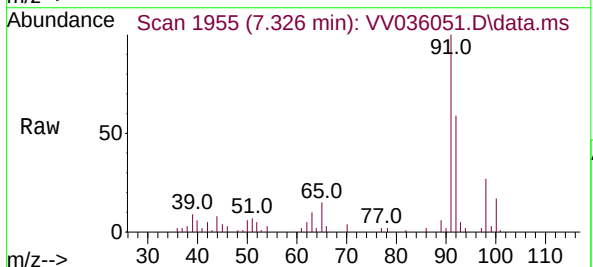
Acq: 13 Jun 2024 10:42

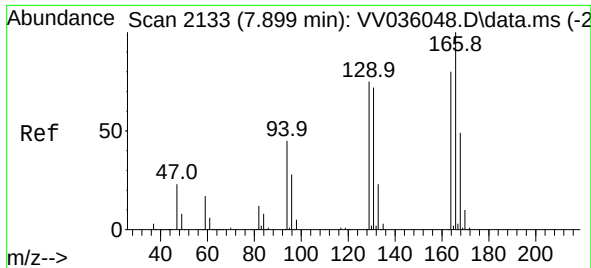
Tgt Ion: 91 Resp: 18932

Ion Ratio Lower Upper

91 100

92 59.5 40.6 75.4





#46

Tetrachloroethene

Concen: 12.553 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

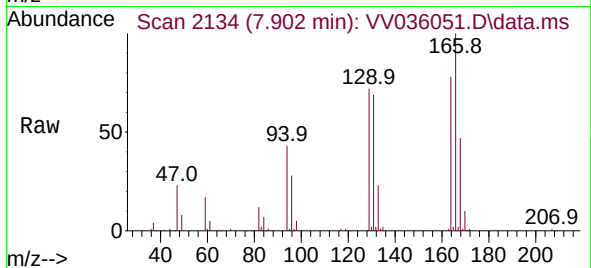
Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 88038

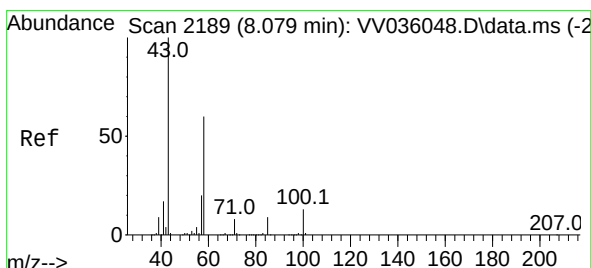
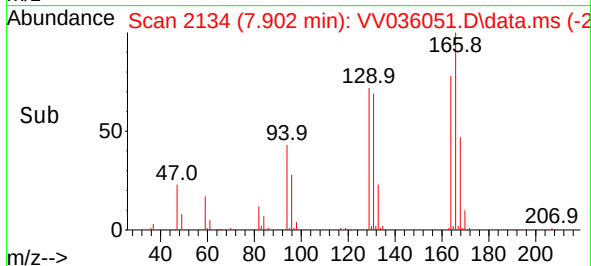
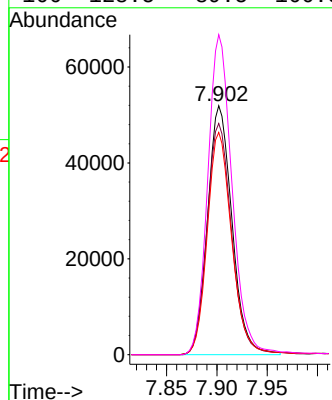
Ion Ratio Lower Upper

164 100

129 92.9 64.6 120.0

131 89.3 63.2 117.4

166 128.5 89.5 166.3



#48

2-Hexanone

Concen: 1.542 ug/L

RT: 8.030 min Scan# 2174

Delta R.T. -0.048 min

Lab File: VV036051.D

Acq: 13 Jun 2024 10:42

Tgt Ion: 43 Resp: 5380

Ion Ratio Lower Upper

43 100

58 23.3 45.4 68.0#

57 44.0 15.8 23.8#

100 3.5 9.8 14.8#

