

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061124\
 Data File : VV036036.D
 Acq On : 11 Jun 2024 15:56
 Operator : SY/MD
 Sample : P2798-06
 Misc : 5.31g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

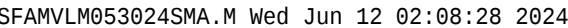
Quant Time: Jun 12 02:08:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

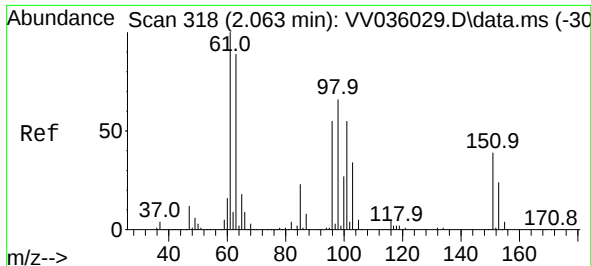
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	352037	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	375679	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	180248	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	146971	22.708	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.840%
7) Chloroethane-d5	1.529	69	134863	26.133	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.520%
11) 1,1-Dichloroethene-d2	2.053	65	69347	24.068	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.280%
21) 2-Butanone-d5	3.809	46	39255	26.435	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.880%
24) Chloroform-d	4.246	84	307969	27.517	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.080%
26) 1,2-Dichloroethane-d4	4.941	65	166543	28.381	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.520%
32) Benzene-d6	4.957	84	601567	26.938	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.760%
36) 1,2-Dichloropropane-d6	5.986	67	202218	28.755	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.040%
41) Toluene-d8	7.239	98	499092	25.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.320%
43) trans-1,3-Dichloroprop...	7.551	79	75555	26.203	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.800%
47) 2-Hexanone-d5	8.030	63	62443	65.537	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.080%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	169829	32.317	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.280%#
66) 1,2-Dichlorobenzene-d4	11.558	152	206613	31.258	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	125.040%#
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	2388	0.395	ug/L #	40
12) 1,1-Dichloroethene	2.066	96	5481	0.972	ug/L #	1
16) Methylene chloride	2.445	84	38798	4.871	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	5812	0.971	ug/L	95
19) 1,1-Dichloroethane	3.111	63	14452	1.267	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	6338617	1053.406	ug/L	97
25) Chloroform	4.272	83	8491	0.724	ug/L	97
34) Trichloroethene	5.828	95	260412	34.581	ug/L	99
42) Toluene	7.330	91	13208	0.526	ug/L	93
46) Tetrachloroethene	7.902	164	699466	127.001	ug/L	99
48) 2-Hexanone	8.030	43	7038	2.568	ug/L #	71

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

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Quant Title : VOC Analysis
QLast Update : Wed Jun 12 02:05:45 2024
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.395 ug/L

RT: 2.056 min Scan# 318

Delta R.T. -0.006 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Instrument :

MSVOA_V

ClientSampleId :

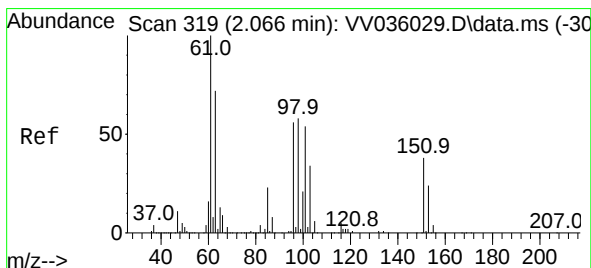
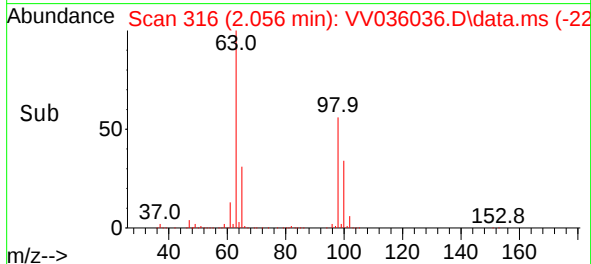
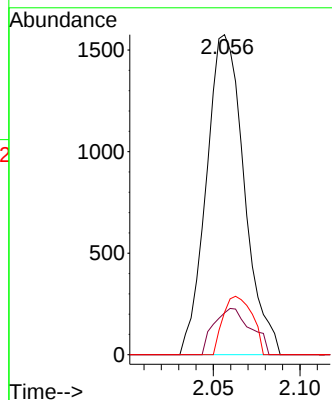
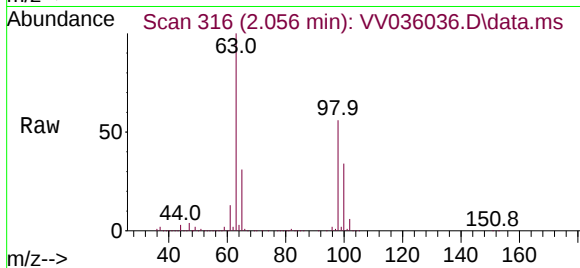
Tgt Ion:101 Resp: 2388

Ion Ratio Lower Upper

101 100

85 14.2 34.5 51.7#

151 14.1 56.3 84.5#



#12

1,1-Dichloroethene

Concen: 0.972 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

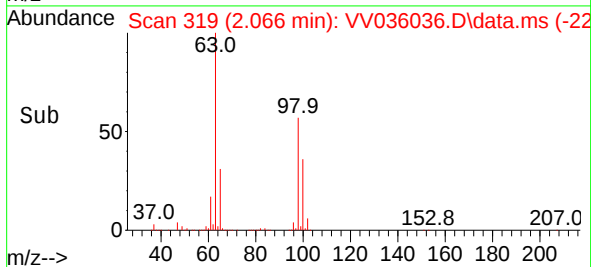
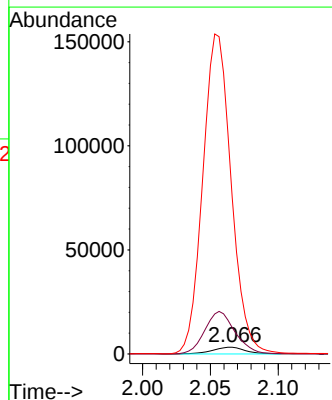
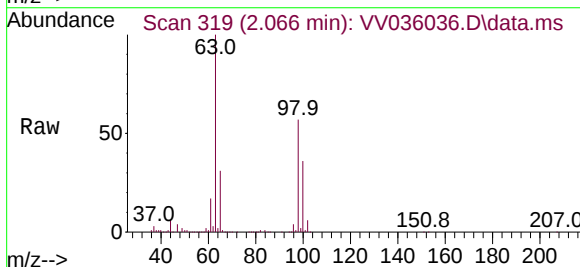
Tgt Ion: 96 Resp: 5481

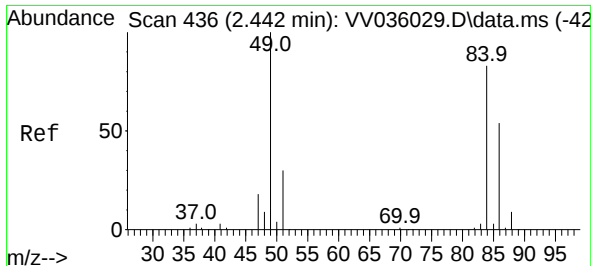
Ion Ratio Lower Upper

96 100

61 390.8 127.3 236.3#

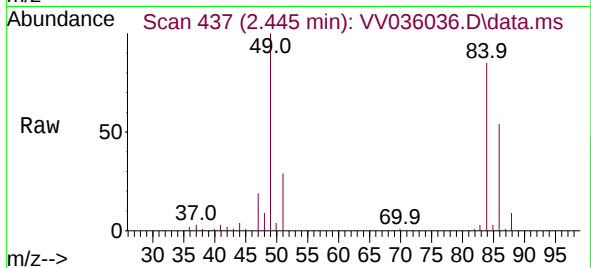
63 2312.7 93.7 173.9#



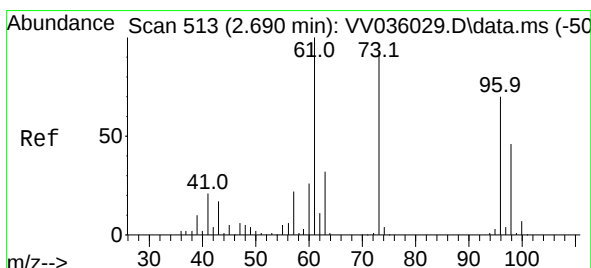
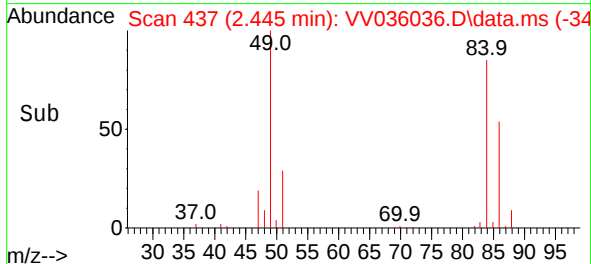
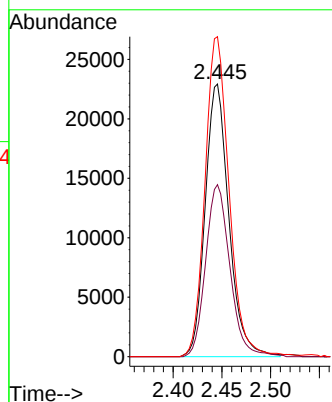


#16
Methylene chloride
Concen: 4.871 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV036036.D
Acq: 11 Jun 2024 15:56

Instrument :
MSVOA_V
ClientSampleId :

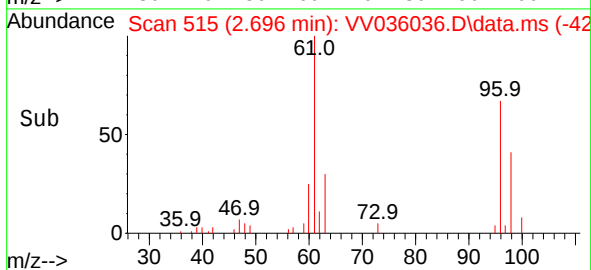
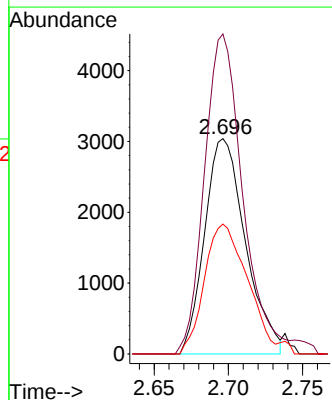
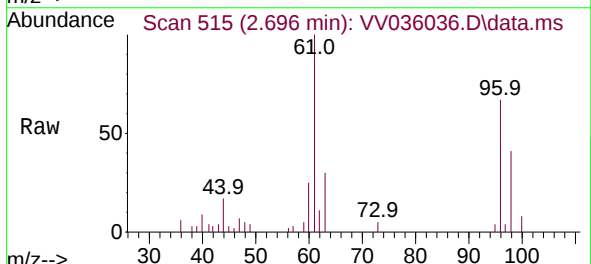


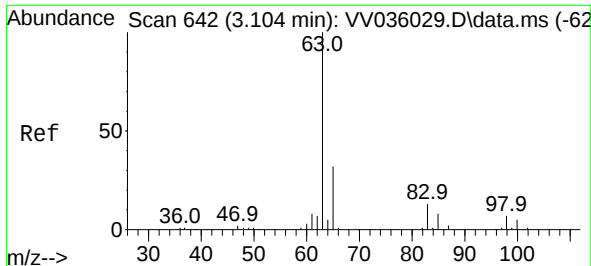
Tgt Ion: 84 Resp: 38798
Ion Ratio Lower Upper
84 100
86 63.1 44.6 82.8
49 117.3 81.1 150.5



#17
trans-1,2-Dichloroethene
Concen: 0.971 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.007 min
Lab File: VV036036.D
Acq: 11 Jun 2024 15:56

Tgt Ion: 96 Resp: 5812
Ion Ratio Lower Upper
96 100
61 148.6 99.4 184.6
98 60.3 44.9 83.3





#19

1,1-Dichloroethane

Concen: 1.267 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.007 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Instrument :

MSVOA_V

ClientSampleId :

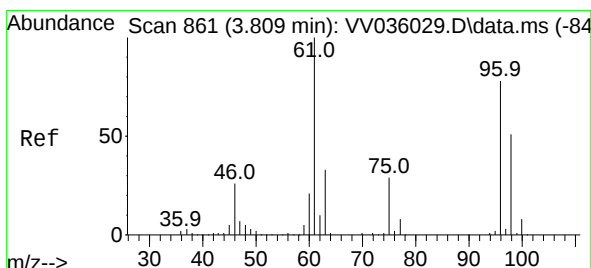
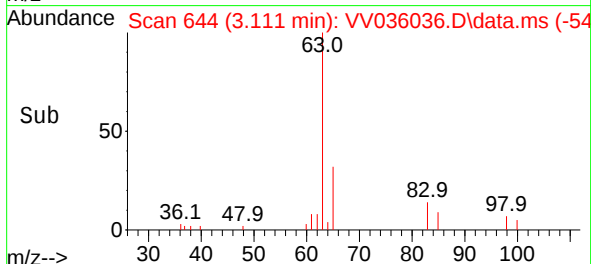
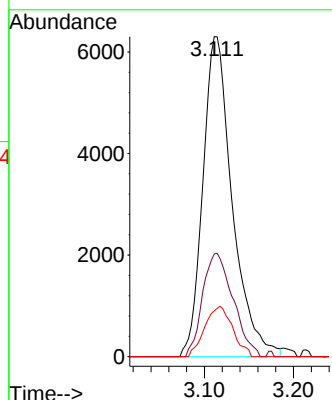
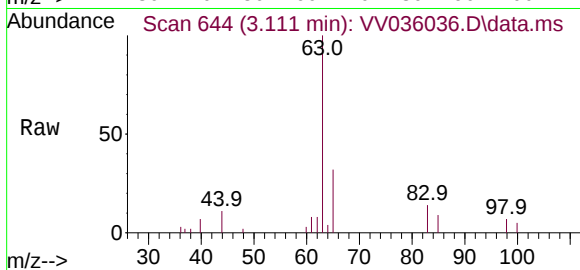
Tgt Ion: 63 Resp: 14452

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 14.4 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 1053.406 ug/L

RT: 3.806 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

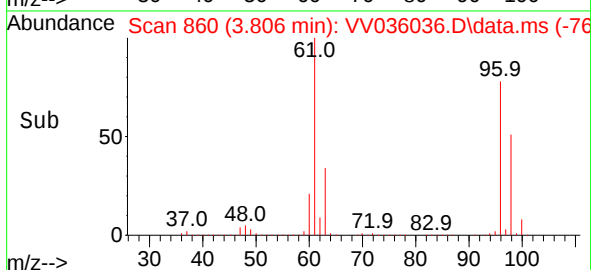
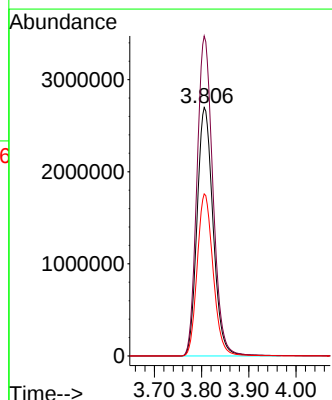
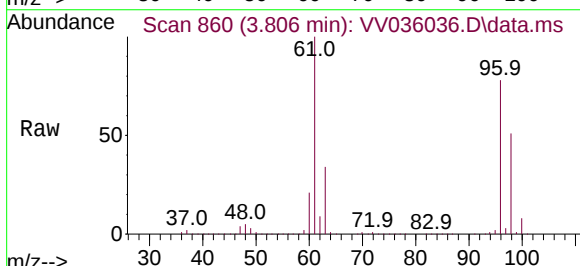
Tgt Ion: 96 Resp: 6338617

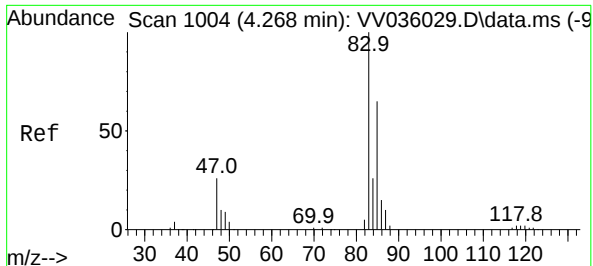
Ion Ratio Lower Upper

96 100

61 128.8 87.9 163.3

98 65.2 44.4 82.5





#25

Chloroform

Concen: 0.724 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Instrument :

MSVOA_V

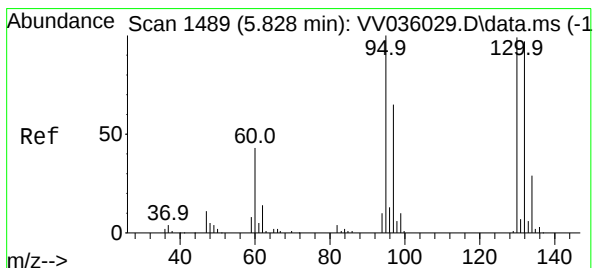
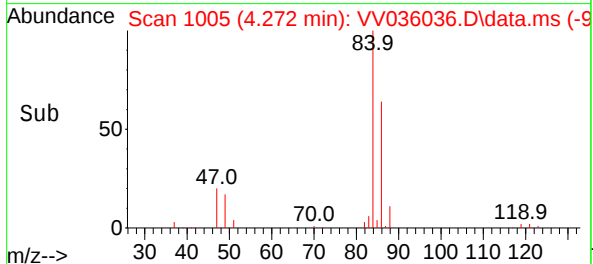
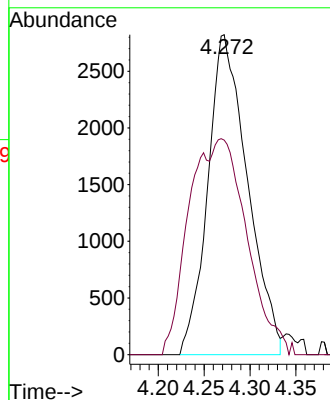
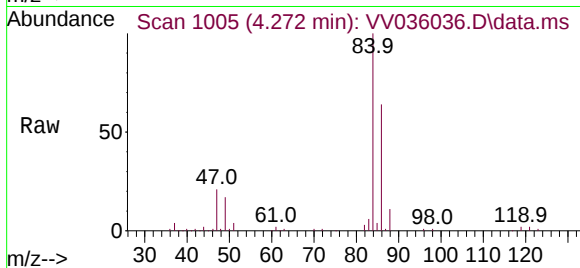
ClientSampleId :

Tgt Ion: 83 Resp: 8491

Ion Ratio Lower Upper

83 100

85 67.1 45.2 84.0



#34

Trichloroethene

Concen: 34.581 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Tgt Ion: 95 Resp: 260412

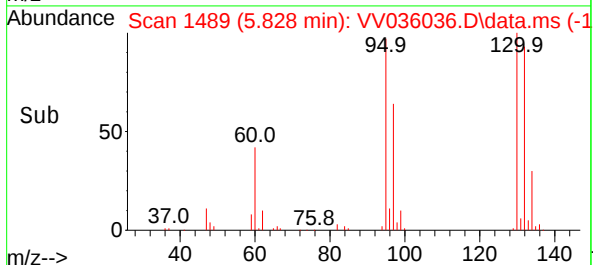
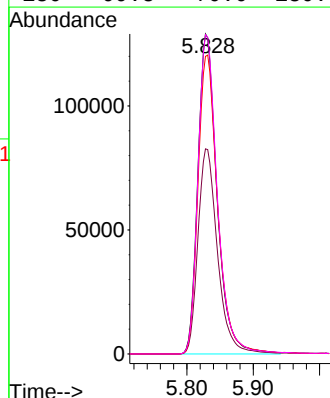
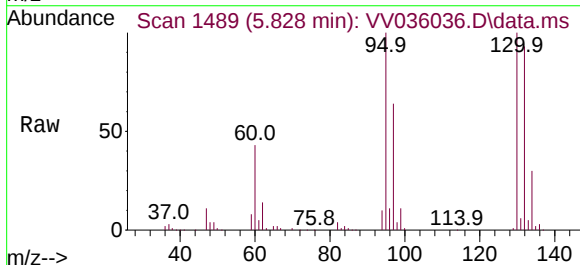
Ion Ratio Lower Upper

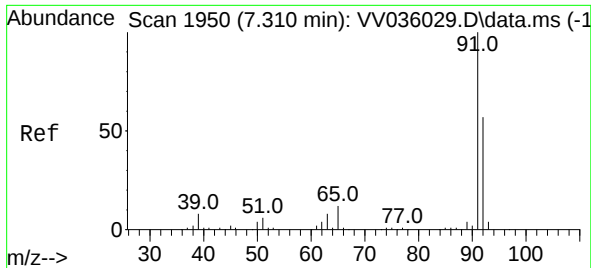
95 100

97 64.1 44.8 83.2

132 93.0 66.8 124.2

130 99.8 70.0 130.0





#42

Toluene

Concen: 0.526 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.019 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Instrument :

MSVOA_V

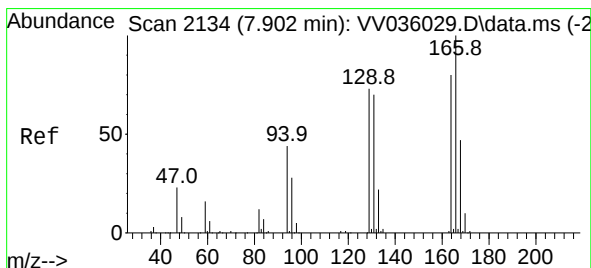
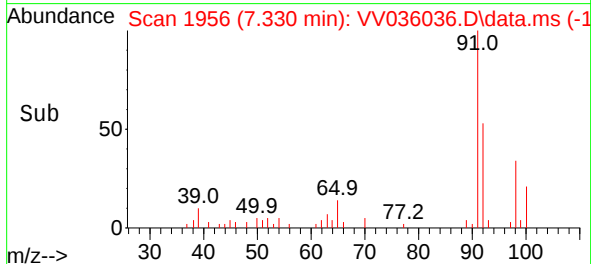
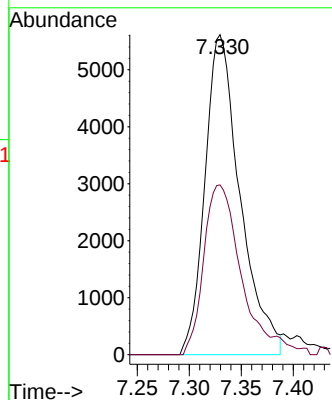
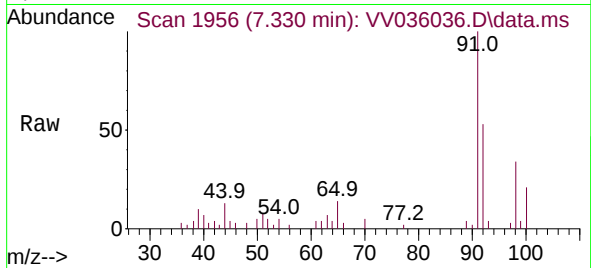
ClientSampleId :

Tgt Ion: 91 Resp: 13208

Ion Ratio Lower Upper

91 100

92 53.0 40.6 75.4



#46

Tetrachloroethene

Concen: 127.001 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036036.D

Acq: 11 Jun 2024 15:56

Tgt Ion:164 Resp: 699466

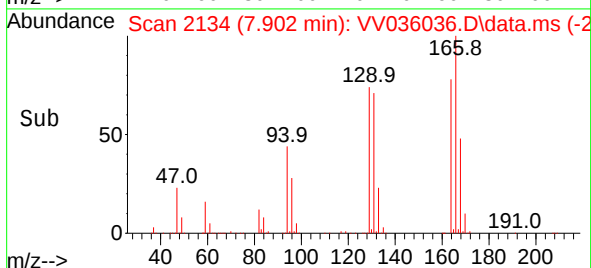
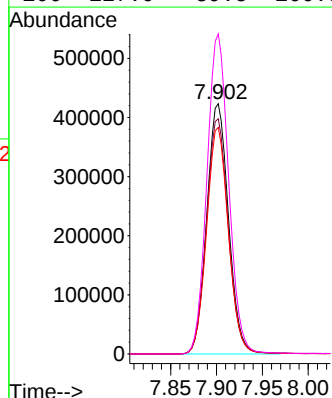
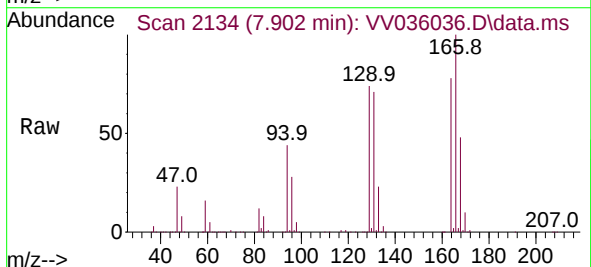
Ion Ratio Lower Upper

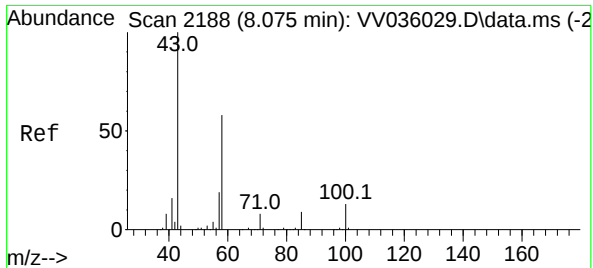
164 100

129 94.0 64.6 120.0

131 90.5 63.2 117.4

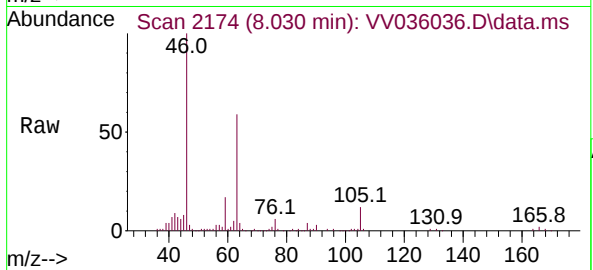
166 127.9 89.5 166.3





#48
 2-Hexanone
 Concen: 2.568 ug/L
 RT: 8.030 min Scan# 2188
 Delta R.T. -0.045 min
 Lab File: VV036036.D
 Acq: 11 Jun 2024 15:56

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 43 Resp: 7038

Ion	Ratio	Lower	Upper
43	100		
58	37.9	45.4	68.0#
57	38.4	15.8	23.8#
100	1.3	9.8	14.8#

