

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071624\
 Data File : VV036561.D
 Acq On : 16 Jul 2024 12:28
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 17 02:26:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

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

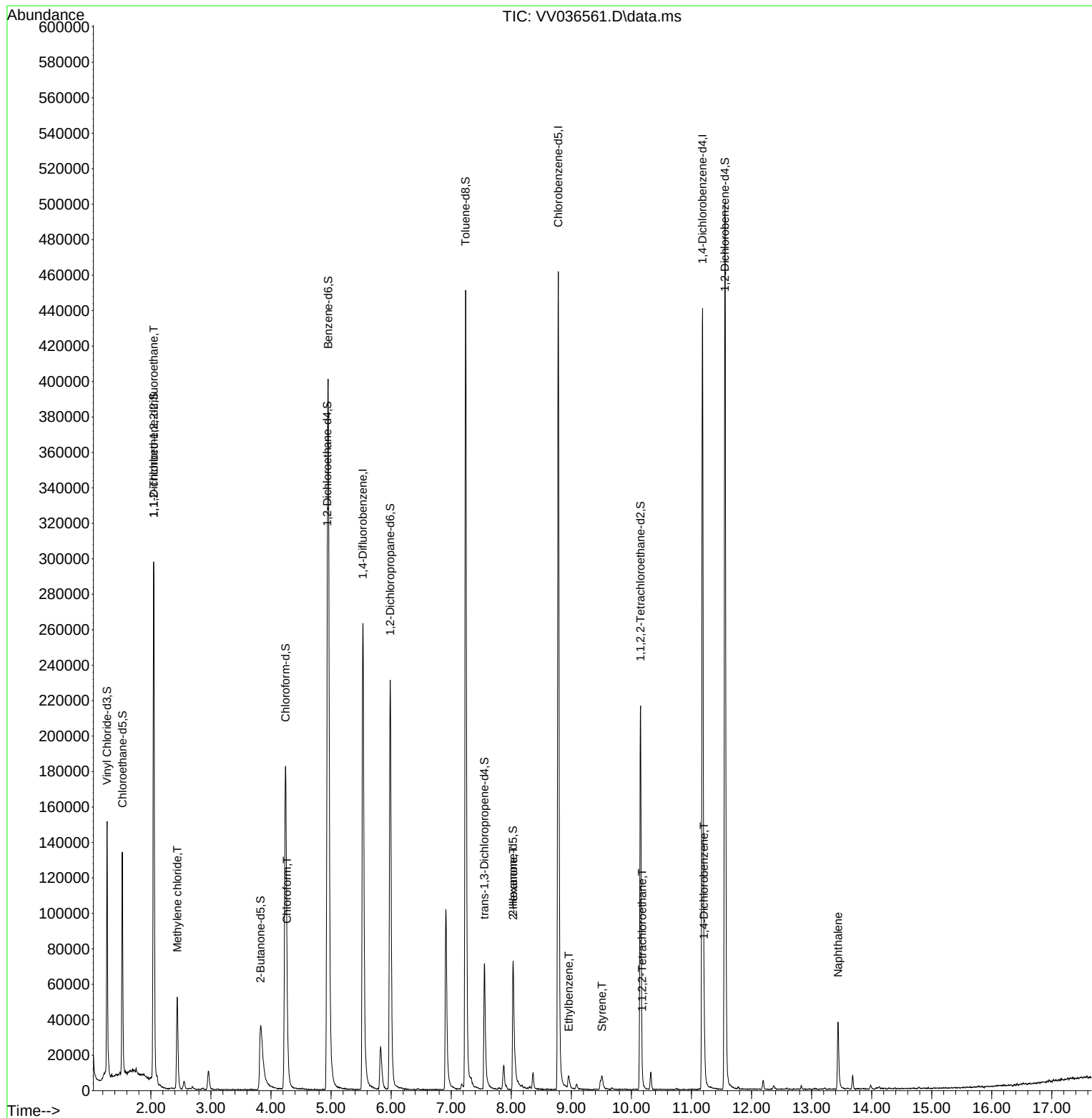
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	252225	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	277866	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	125942	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.269	65	95268	26.364	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.440%
7) Chloroethane-d5	1.526	69	86092	27.250	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.000%
11) 1,1-Dichloroethene-d2	2.047	65	46256	24.928	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.720%
21) 2-Butanone-d5	3.825	46	34380	55.587	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.180%
24) Chloroform-d	4.243	84	201521	27.449	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.800%
26) 1,2-Dichloroethane-d4	4.937	65	111339	30.576	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.320%
32) Benzene-d6	4.953	84	366451	26.435	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.760%
36) 1,2-Dichloropropane-d6	5.985	67	113176	27.394	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.560%
41) Toluene-d8	7.239	98	316823	24.770	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.080%
43) trans-1,3-Dichloroprop...	7.554	79	44743	26.049	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.200%
47) 2-Hexanone-d5	8.030	63	26747	58.292	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.580%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	103834	29.842	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.360%
66) 1,2-Dichlorobenzene-d4	11.557	152	140657	32.910	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	131.640%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.047	101	1702	0.394	ug/L #	28
16) Methylene chloride	2.439	84	24453	4.716	ug/L	99
25) Chloroform	4.268	83	4574	0.629	ug/L	98
48) 2-Hexanone	8.034	43	3679	3.145	ug/L #	75
52) Ethylbenzene	8.956	91	6031	0.386	ug/L	90
55) Styrene	9.509	104	4930	0.481	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	1571	0.503	ug/L #	90
65) 1,4-Dichlorobenzene	11.210	146	11465	1.436	ug/L	98
71) Naphthalene	13.442	128	32700	4.753	ug/L	98

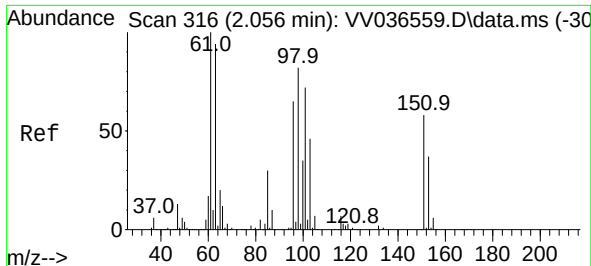
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 17 02:15:19 2024
Response via : Initial Calibration





#10

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

Concen: 0.394 ug/L

RT: 2.047 min Scan# 316

Delta R.T. -0.010 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

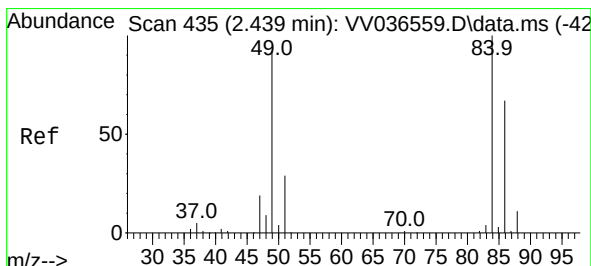
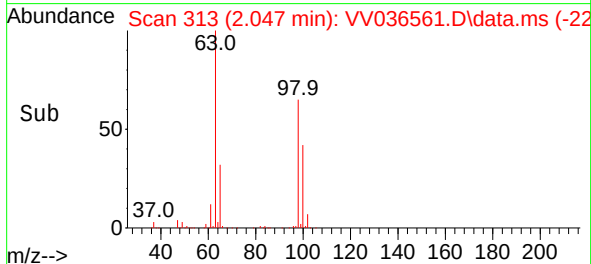
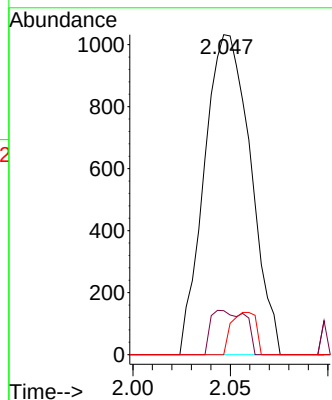
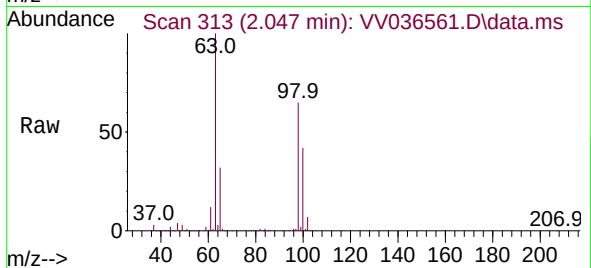
Tgt Ion:101 Resp: 1702

Ion Ratio Lower Upper

101 100

85 7.5 32.5 48.7#

151 7.1 62.6 94.0#



#16

Methylene chloride

Concen: 4.716 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

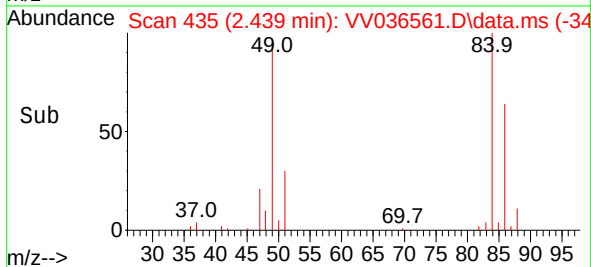
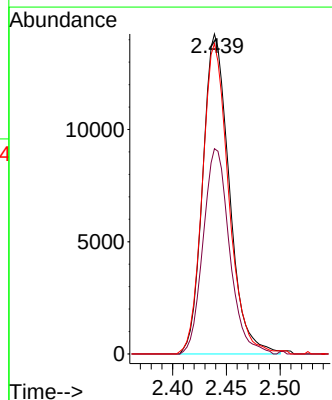
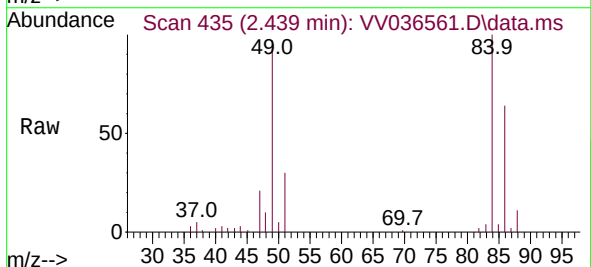
Tgt Ion: 84 Resp: 24453

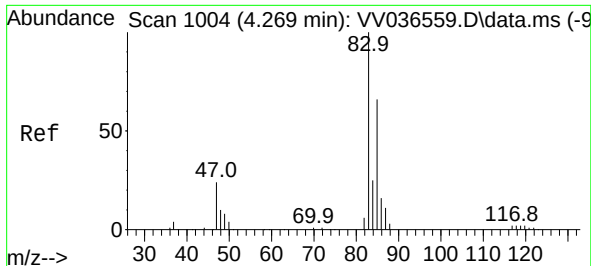
Ion Ratio Lower Upper

84 100

86 64.1 46.3 86.1

49 97.0 68.1 126.5





#25

Chloroform

Concen: 0.629 ug/L

RT: 4.268 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

Instrument :

MSVOA_V

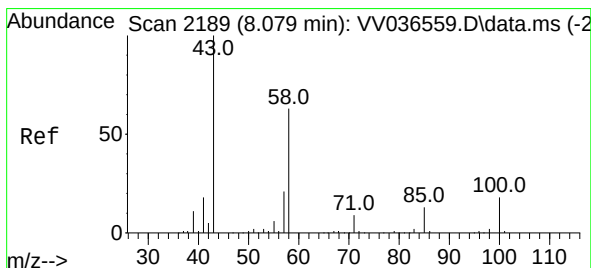
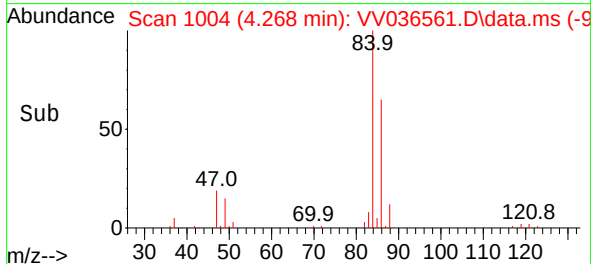
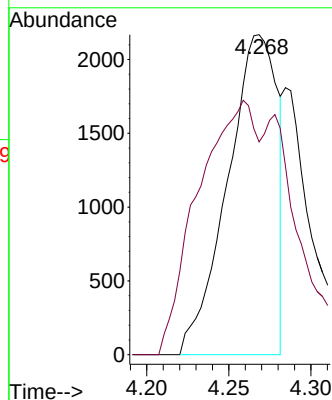
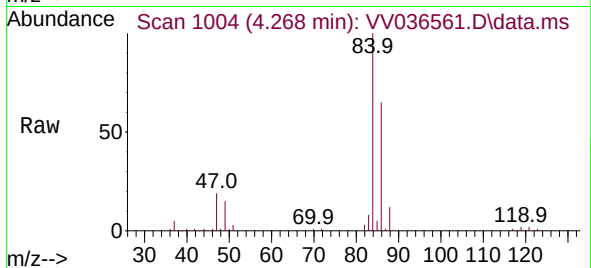
ClientSampleId :

Tgt Ion: 83 Resp: 4574

Ion Ratio Lower Upper

83 100

85 66.5 45.6 84.6



#48

2-Hexanone

Concen: 3.145 ug/L

RT: 8.034 min Scan# 2175

Delta R.T. -0.045 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

Tgt Ion: 43 Resp: 3679

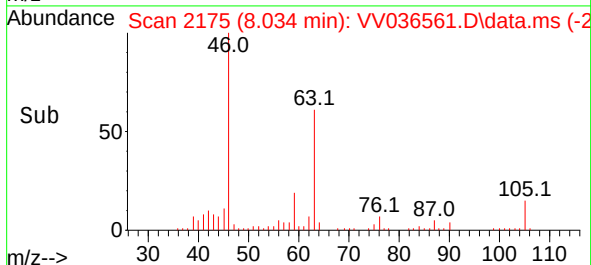
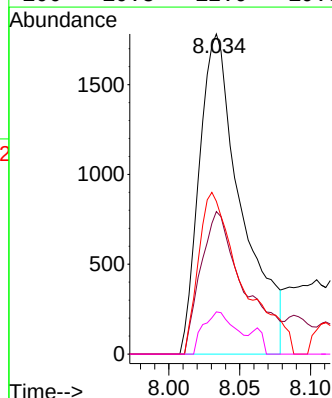
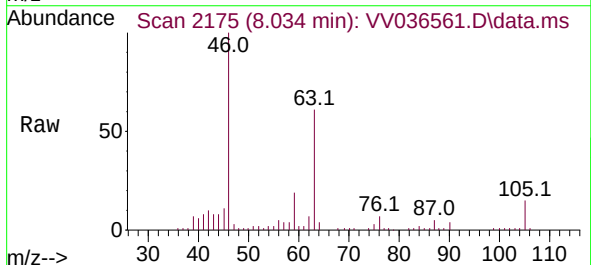
Ion Ratio Lower Upper

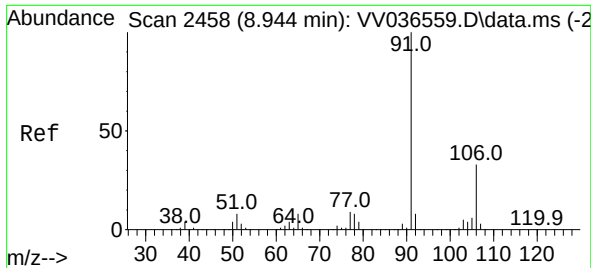
43 100

58 47.2 49.5 74.3#

57 43.2 15.3 22.9#

100 10.3 12.9 19.3#

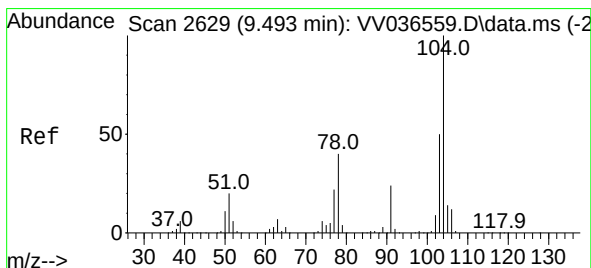
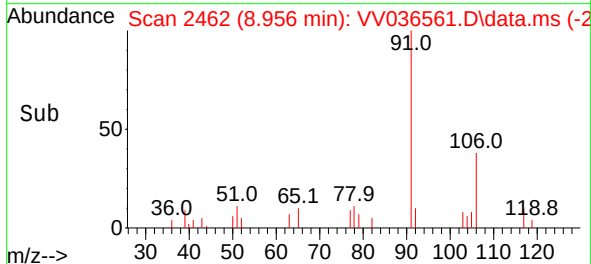
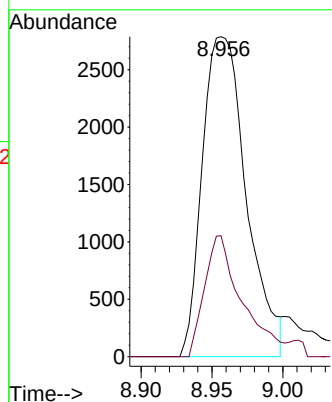
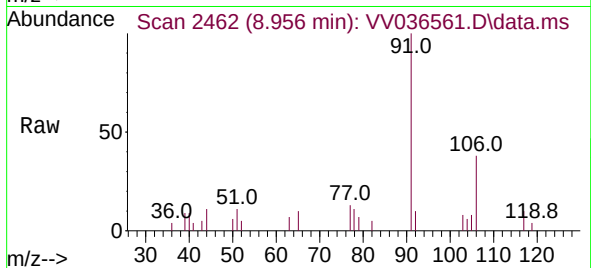




#52
Ethylbenzene
Concen: 0.386 ug/L
RT: 8.956 min Scan# 2458
Delta R.T. 0.013 min
Lab File: VV036561.D
Acq: 16 Jul 2024 12:28

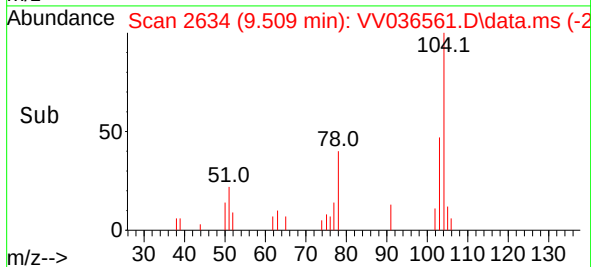
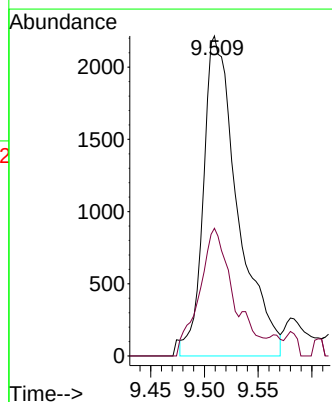
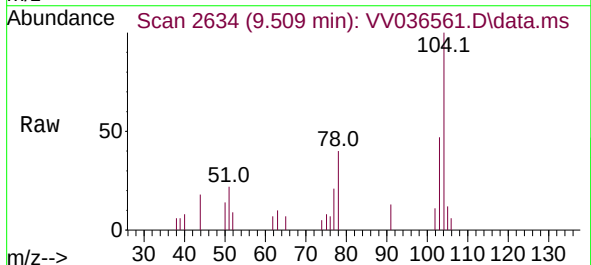
Instrument :
MSVOA_V
ClientSampleId :

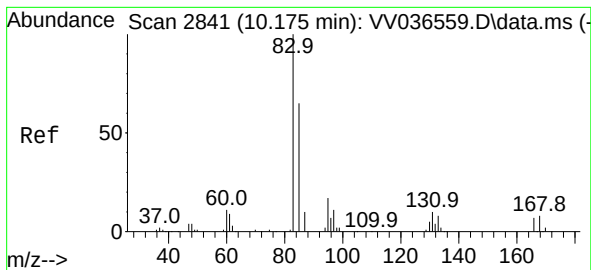
Tgt Ion: 91 Resp: 6031
Ion Ratio Lower Upper
91 100
106 37.8 22.6 42.0



#55
Styrene
Concen: 0.481 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.016 min
Lab File: VV036561.D
Acq: 16 Jul 2024 12:28

Tgt Ion: 104 Resp: 4930
Ion Ratio Lower Upper
104 100
78 39.9 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.503 ug/L

RT: 10.178 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

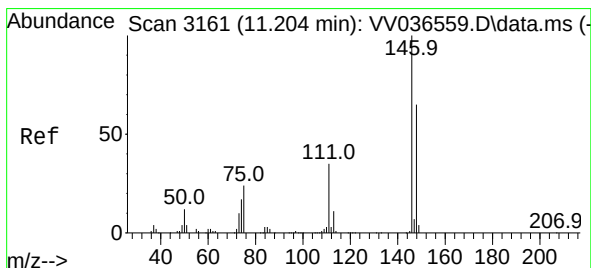
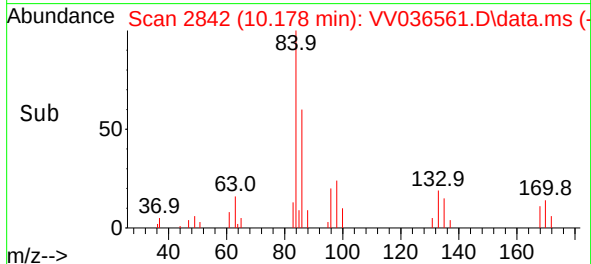
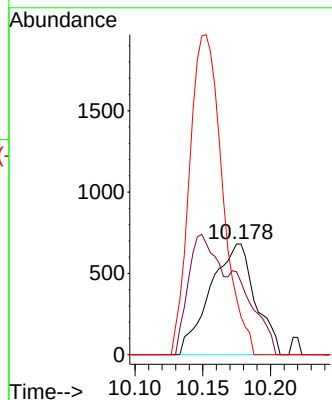
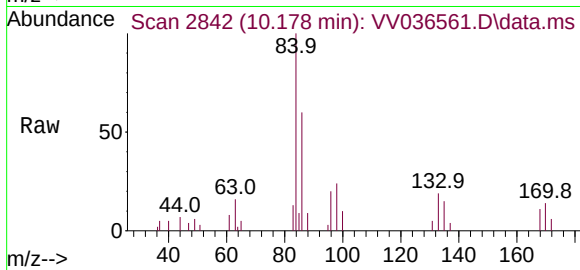
Tgt Ion: 83 Resp: 1571

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6

131 34.4 8.1 12.1#



#65

1,4-Dichlorobenzene

Concen: 1.436 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.006 min

Lab File: VV036561.D

Acq: 16 Jul 2024 12:28

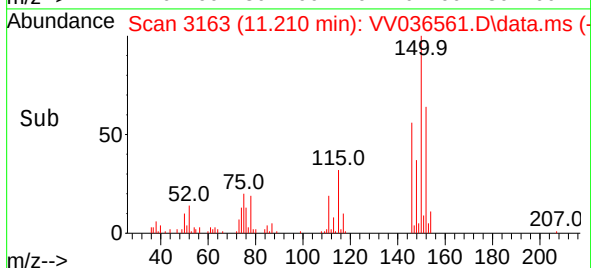
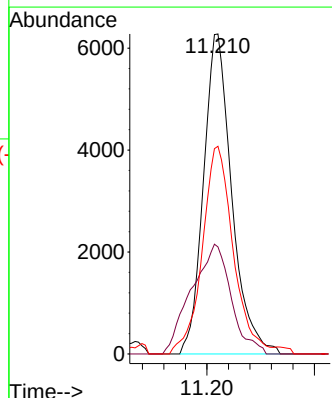
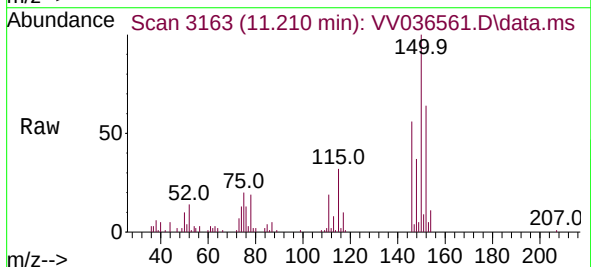
Tgt Ion:146 Resp: 11465

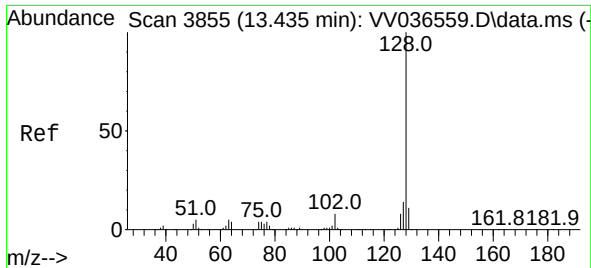
Ion Ratio Lower Upper

146 100

111 33.4 25.2 46.8

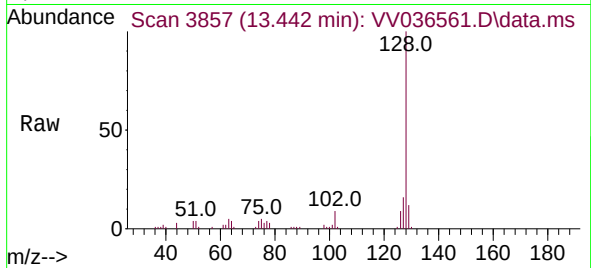
148 64.9 45.2 84.0





#71
Naphthalene
Concen: 4.753 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.006 min
Lab File: VV036561.D
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Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	32700
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.8	16.2
129	11.3	8.6	13.0

