

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091824\
 Data File : VV037333.D
 Acq On : 18 Sep 2024 14:56
 Operator : SY/MD
 Sample : P3988-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 01:23:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 01:19:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	283840	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	297234	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	134436	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	63914	3.838	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.529	69	74177	4.272	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.056	65	35286	4.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	3.802	46	221136	44.435	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.880%
24) Chloroform-d	4.243	84	186905	4.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	4.940	65	89884	4.748	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	4.956	84	344696	4.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	5.985	67	120069	4.845	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.243	98	280659	3.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	7.561	79	30601	3.754	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.000%
46) 2-Hexanone-d5	8.027	63	164759	41.366	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.740%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	96396	4.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	11.557	152	116039	4.855	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	27565	0.997	ug/L	98
8) Chloroethane	1.548	64	4331	0.260	ug/L	96
12) 1,1-Dichloroethene	2.066	96	334059	16.795	ug/L #	82
15) Methyl Acetate	2.130	43	9969	1.256	ug/L #	49
16) Methylene chloride	2.449	84	5957	0.261	ug/L	81
17) Methyl tert-butyl Ether	2.706	73	16119	0.341	ug/L	99
19) 1,1-Dichloroethane	3.104	63	419236	10.491	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	11338	0.501	ug/L	98
25) Chloroform	4.272	83	15280	0.380	ug/L	97
27) 1,2-Dichloroethane	5.063	62	6124	0.269	ug/L #	87
29) 1,1,1-Trichloroethane	4.510	97	25890	0.735	ug/L	98
31) Carbon tetrachloride	4.516	117	3358	0.112	ug/L	99
34) Trichloroethene	5.825	95	388266	16.088	ug/L	98
35) Methylcyclohexane	5.985	83	27796	0.758	ug/L #	19
42) Toluene	7.329	91	14778	0.159	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	3392	0.208	ug/L	91
47) Tetrachloroethene	7.905	164	5028	0.291	ug/L	94
49) Dibromochloromethane	7.908	129	4755	0.278	ug/L #	10
53) m,p-Xylene	9.079	106	4778	0.125	ug/L	70

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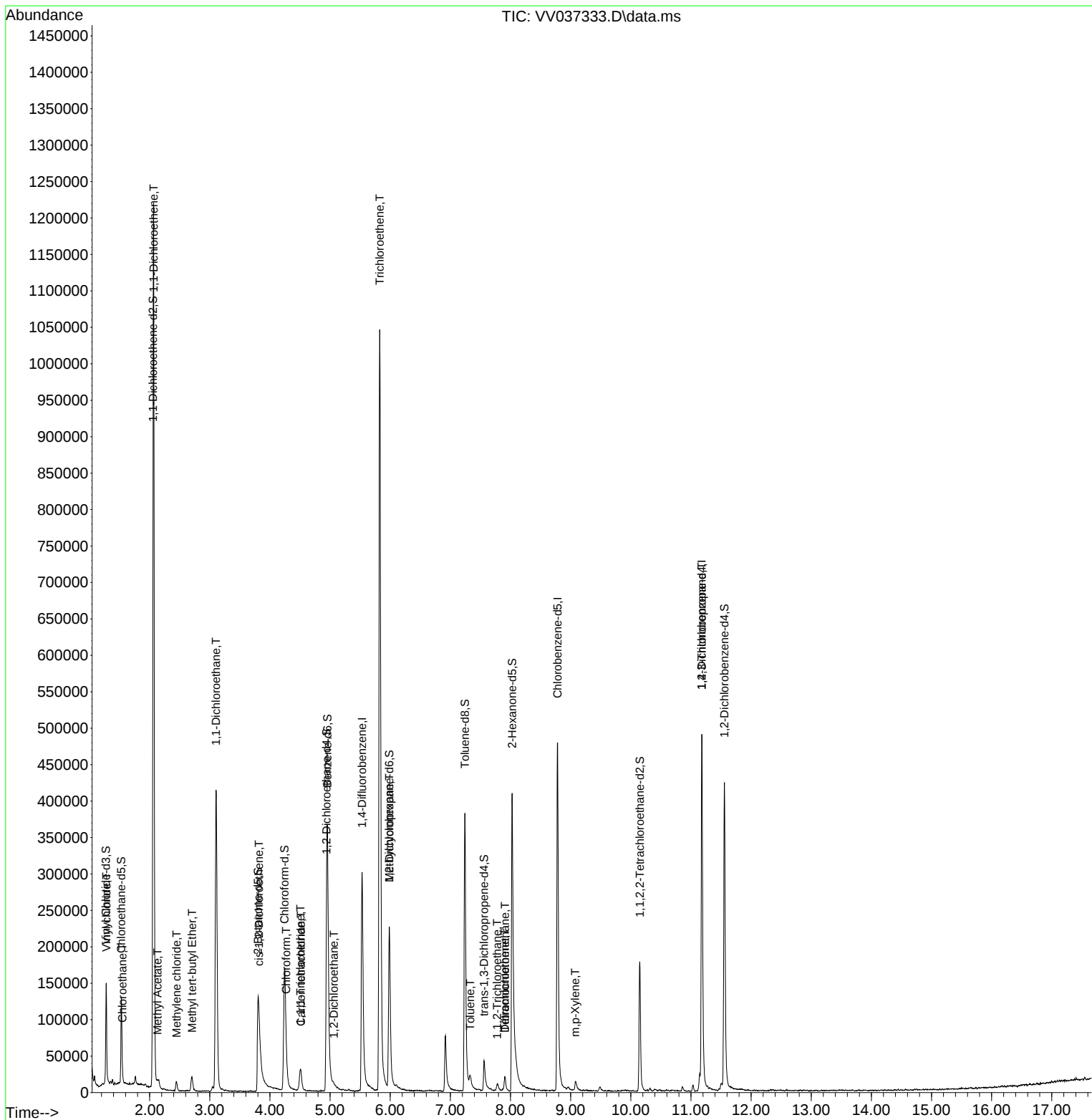
Instrument :
MSVOA_V
ClientSampleId :

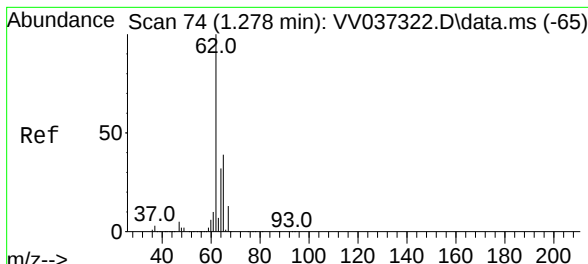
Quant Time: Sep 19 01:23:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 01:19:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.181	75	17733	1.450	ug/L #	66

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
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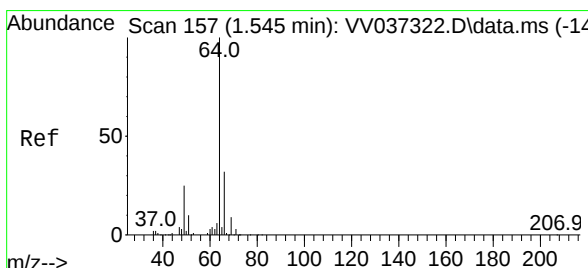
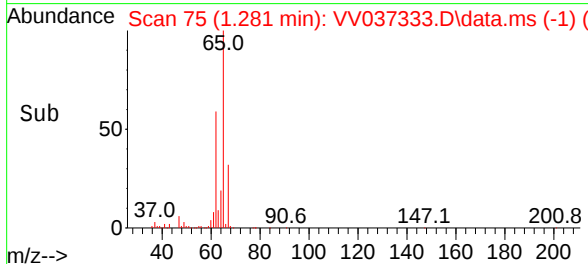
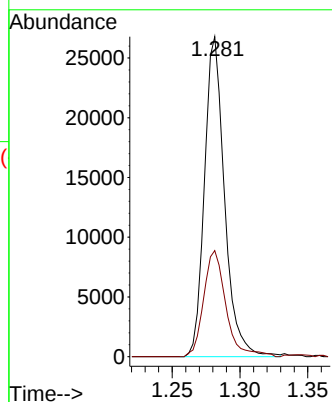
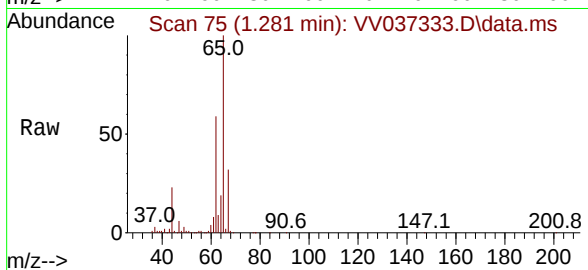




#5
 Vinyl chloride
 Concen: 0.997 ug/L
 RT: 1.281 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV037333.D
 Acq: 18 Sep 2024 14:56

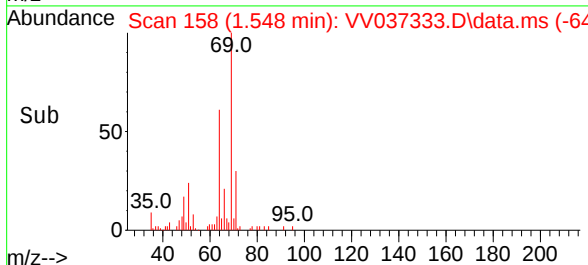
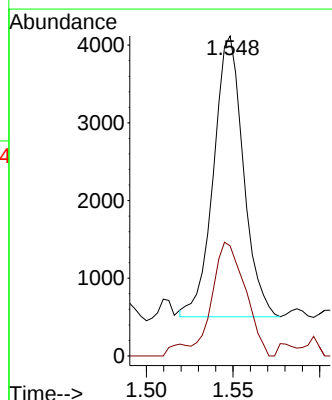
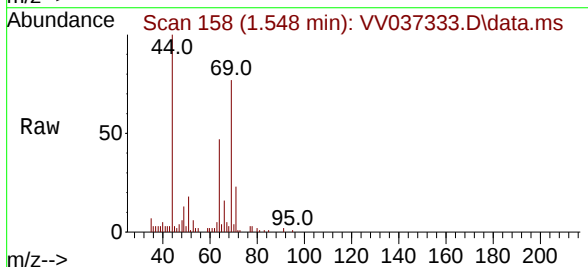
Instrument :
 MSVOA_V
 ClientSampleId :

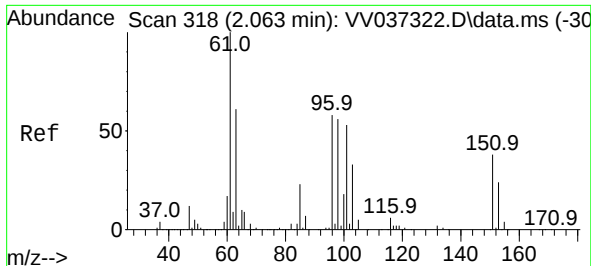
Tgt Ion: 62 Resp: 27565
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.4 41.6



#8
 Chloroethane
 Concen: 0.260 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VV037333.D
 Acq: 18 Sep 2024 14:56

Tgt Ion: 64 Resp: 4331
 Ion Ratio Lower Upper
 64 100
 66 34.4 22.7 42.1





#12

1,1-Dichloroethene

Concen: 16.795 ug/L

RT: 2.066 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

Instrument :

MSVOA_V

ClientSampleId :

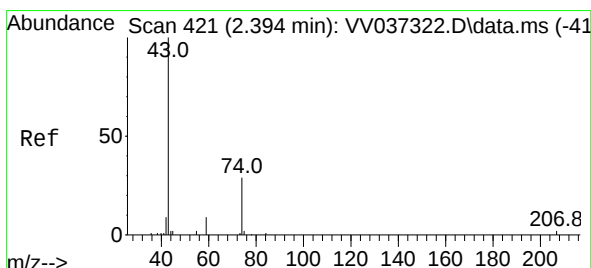
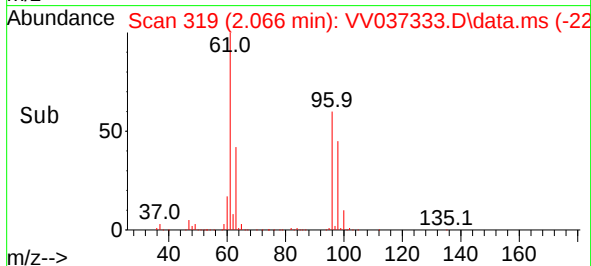
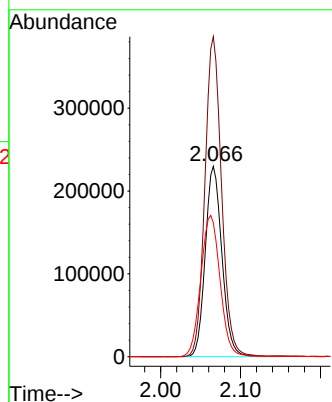
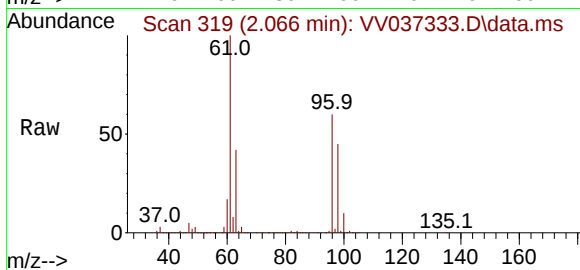
Tgt Ion: 96 Resp: 334059

Ion Ratio Lower Upper

96 100

61 168.0 119.9 222.7

63 70.3 81.4 151.2#



#15

Methyl Acetate

Concen: 1.256 ug/L

RT: 2.130 min Scan# 339

Delta R.T. -0.264 min

Lab File: VV037333.D

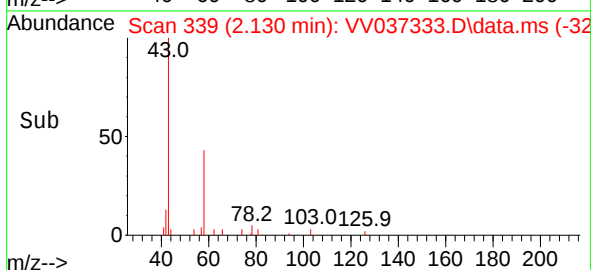
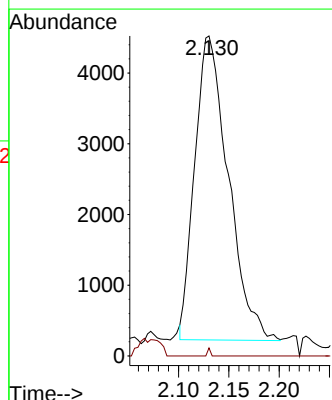
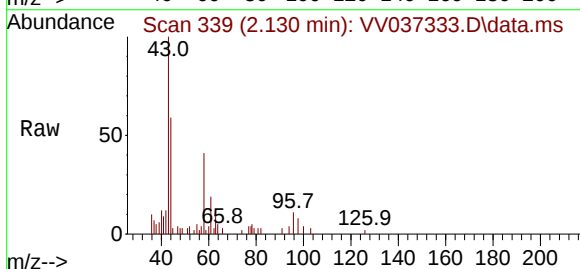
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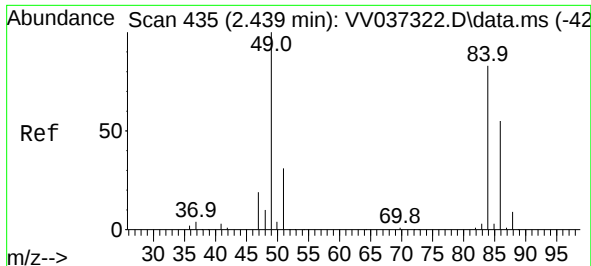
Tgt Ion: 43 Resp: 9969

Ion Ratio Lower Upper

43 100

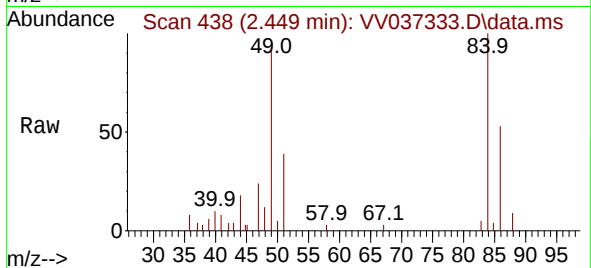
74 0.2 21.0 31.4#





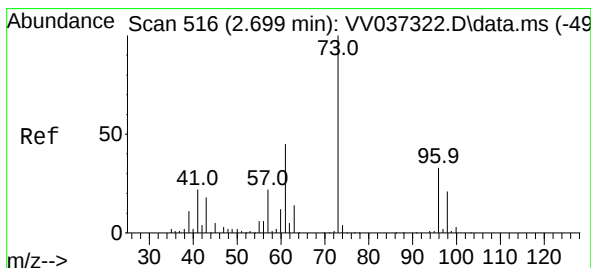
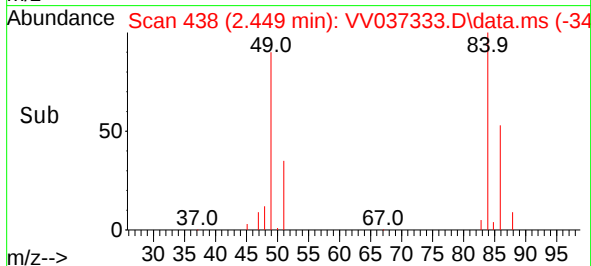
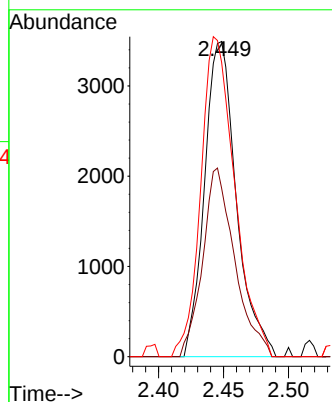
#16
Methylene chloride
Concen: 0.261 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 5957

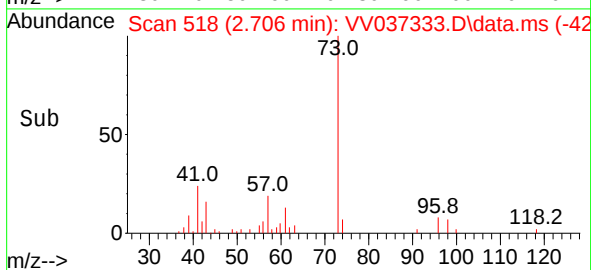
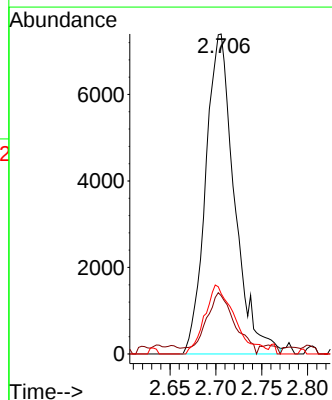
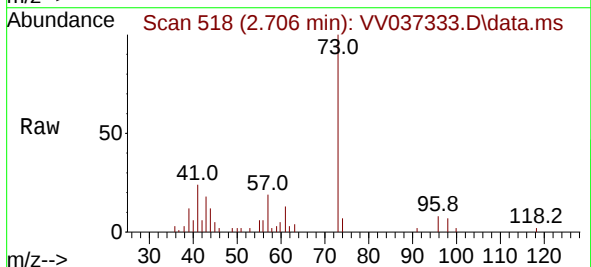
Ion	Ratio	Lower	Upper
84	100		
86	53.4	44.0	81.8
49	93.4	83.0	154.1

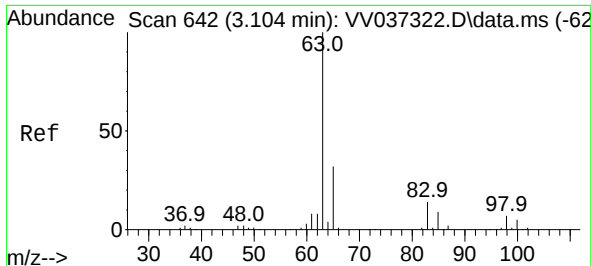


#17
Methyl tert-butyl Ether
Concen: 0.341 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Tgt Ion: 73 Resp: 16119

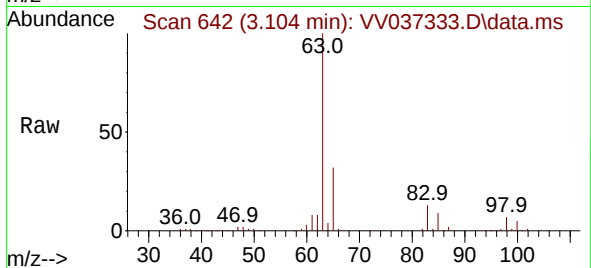
Ion	Ratio	Lower	Upper
73	100		
43	19.1	14.5	21.7
57	22.5	17.7	26.5



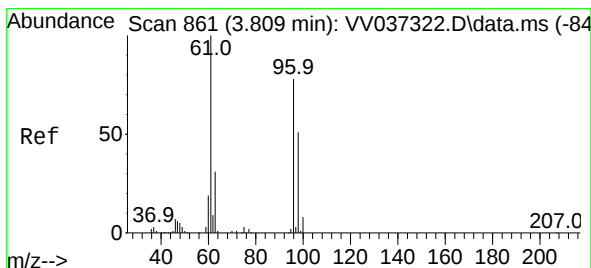
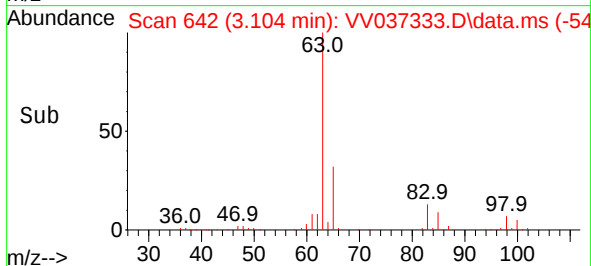
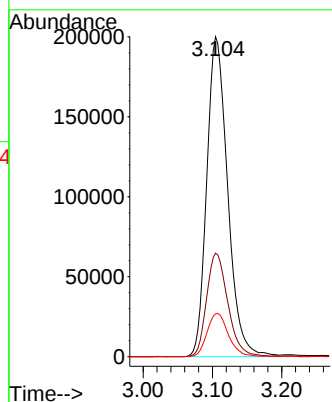


#19
1,1-Dichloroethane
Concen: 10.491 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Instrument :
MSVOA_V
ClientSampleId :

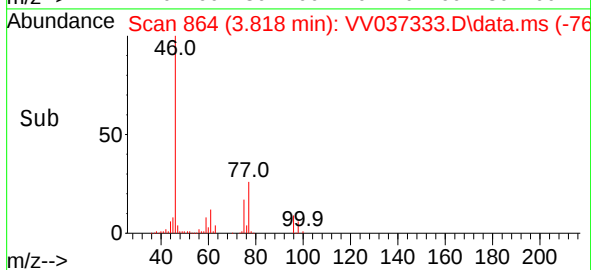
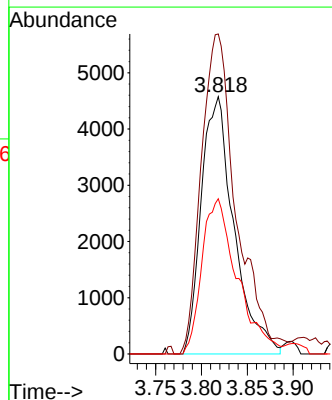
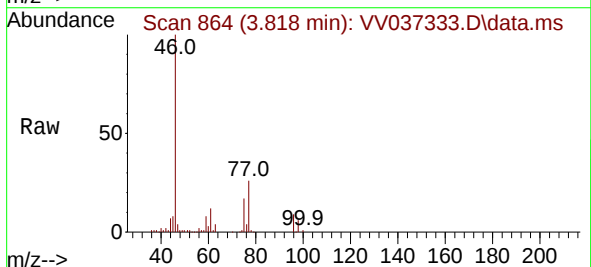


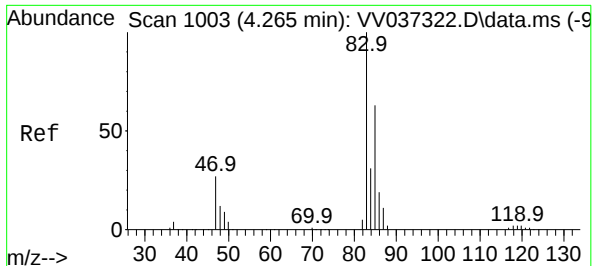
Tgt Ion: 63 Resp: 419236
Ion Ratio Lower Upper
63 100
65 32.3 22.5 41.7
83 13.4 8.9 16.5



#22
cis-1,2-Dichloroethene
Concen: 0.501 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Tgt Ion: 96 Resp: 11338
Ion Ratio Lower Upper
96 100
61 124.4 87.6 162.6
98 60.3 44.9 83.5





#25

Chloroform

Concen: 0.380 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

Instrument :

MSVOA_V

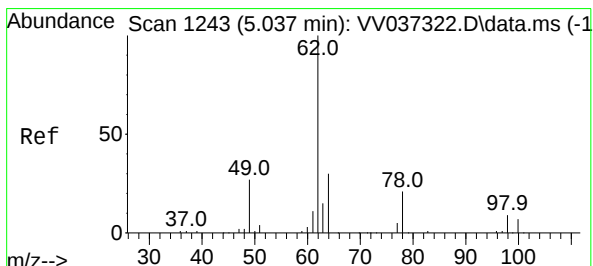
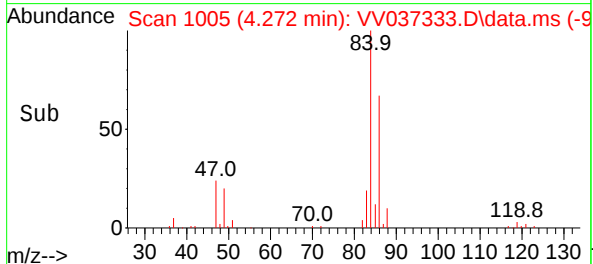
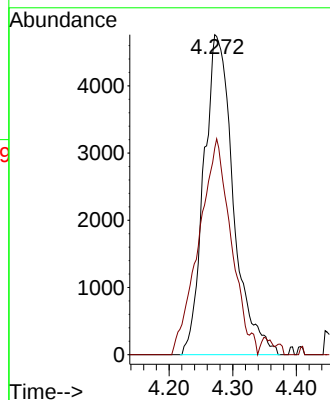
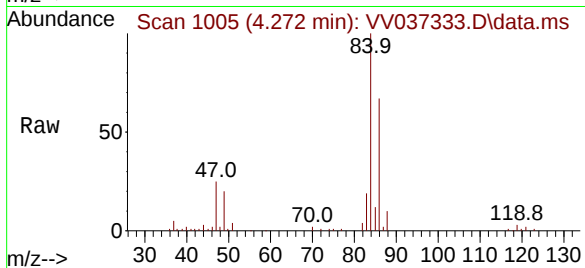
ClientSampleId :

Tgt Ion: 83 Resp: 15280

Ion Ratio Lower Upper

83 100

85 64.6 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.269 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.026 min

Lab File: VV037333.D

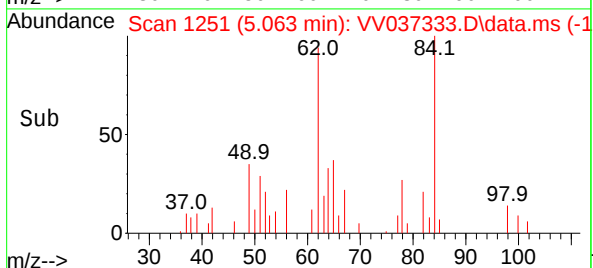
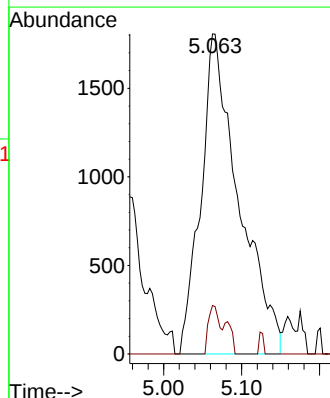
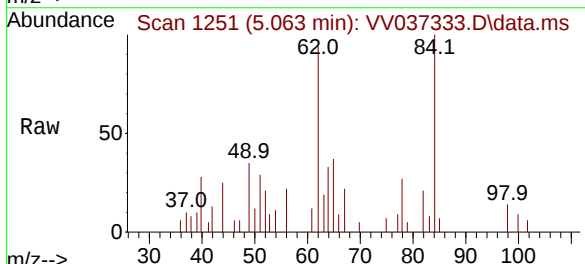
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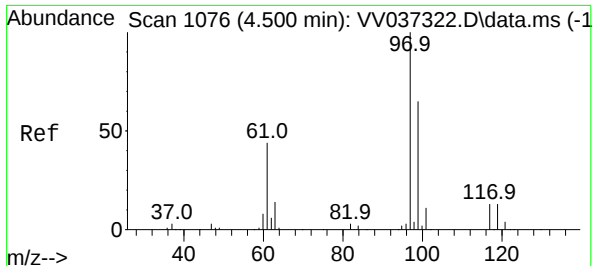
Tgt Ion: 62 Resp: 6124

Ion Ratio Lower Upper

62 100

98 15.2 8.2 12.4#

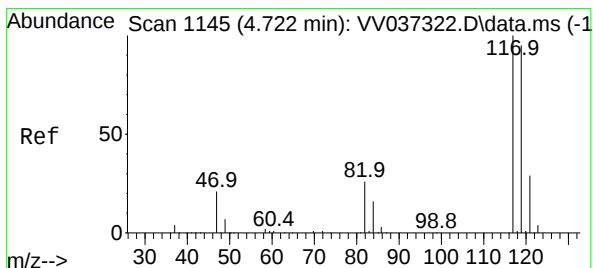
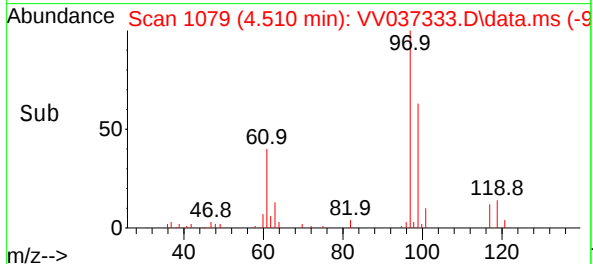
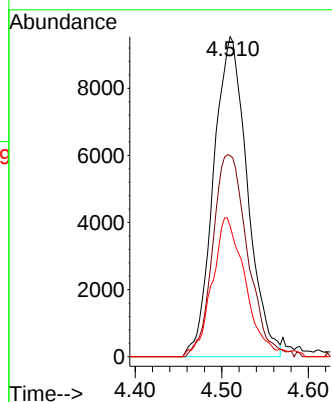
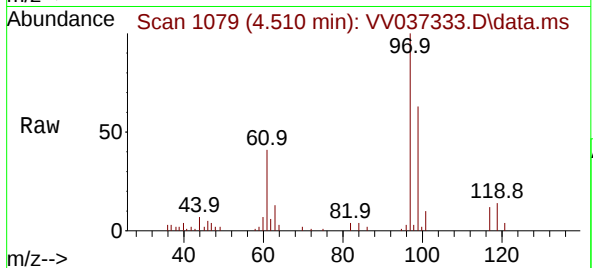




#29
1,1,1-Trichloroethane
Concen: 0.735 ug/L
RT: 4.510 min Scan# 1081
Delta R.T. 0.010 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

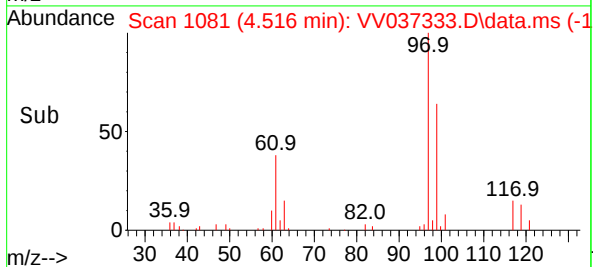
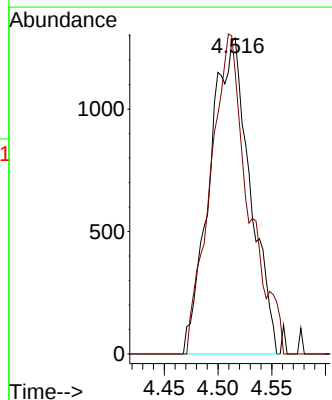
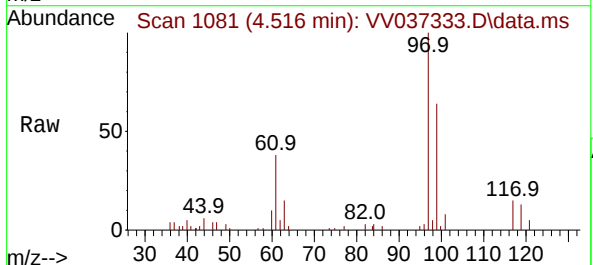
Instrument :
MSVOA_V
ClientSampleId :

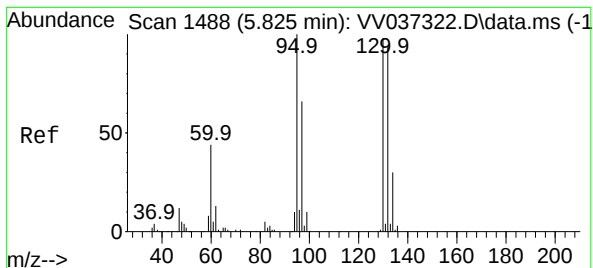
Tgt Ion: 97 Resp: 25890
Ion Ratio Lower Upper
97 100
99 64.7 50.0 75.0
61 42.3 34.3 51.5



#31
Carbon tetrachloride
Concen: 0.112 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.206 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Tgt Ion: 117 Resp: 3358
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.4





#34

Trichloroethene

Concen: 16.088 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 388266

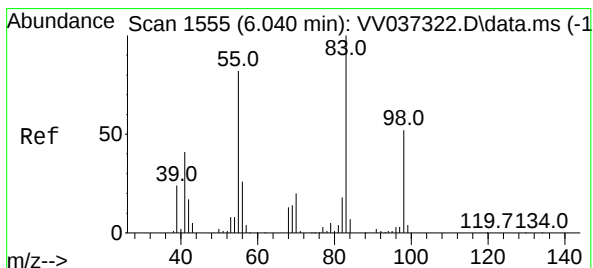
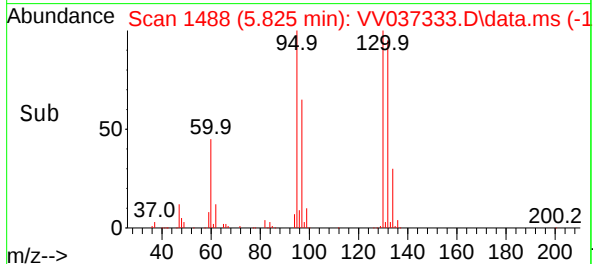
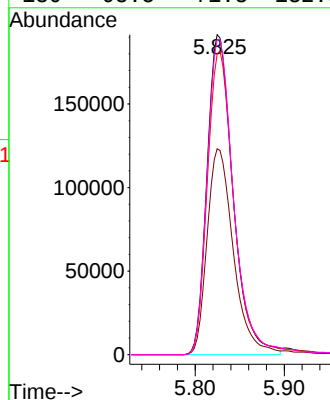
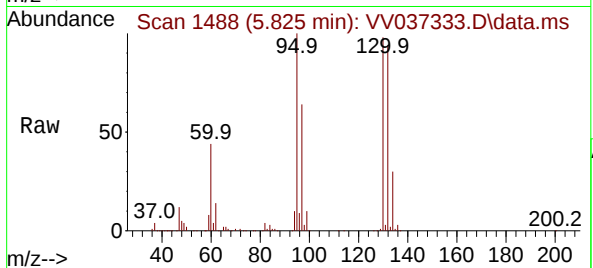
Ion Ratio Lower Upper

95 100

97 64.3 46.5 86.5

132 94.0 65.5 121.7

130 98.5 71.3 132.3



#35

Methylcyclohexane

Concen: 0.758 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

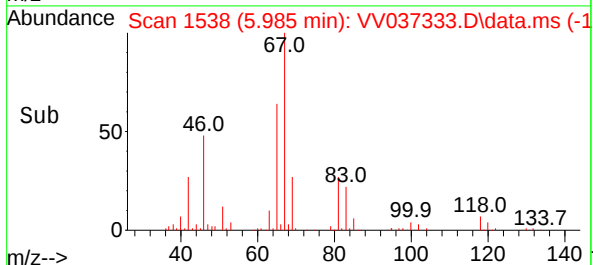
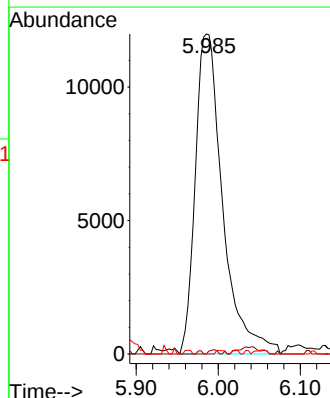
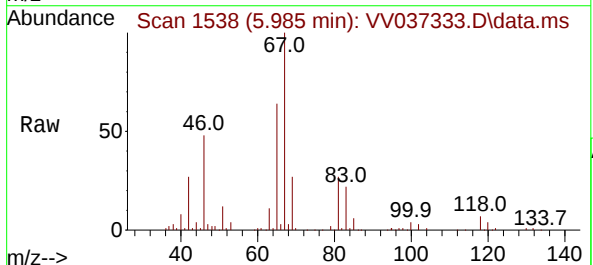
Tgt Ion: 83 Resp: 27796

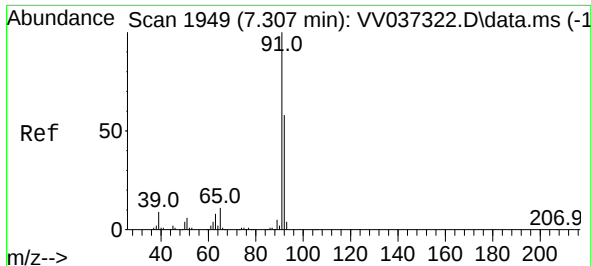
Ion Ratio Lower Upper

83 100

55 0.2 60.3 90.5#

98 0.0 38.2 57.4#





#42

Toluene

Concen: 0.159 ug/L

RT: 7.329 min Scan# 1949

Delta R.T. 0.023 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

Instrument :

MSVOA_V

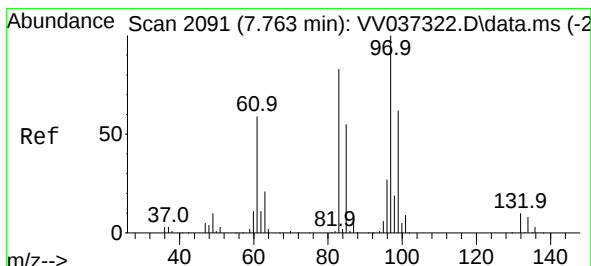
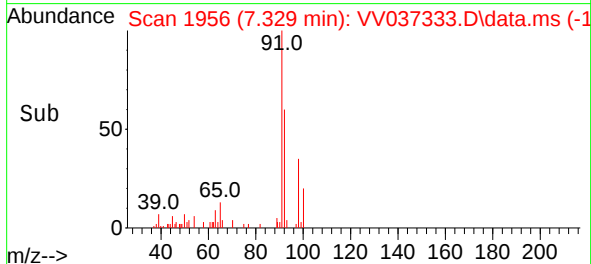
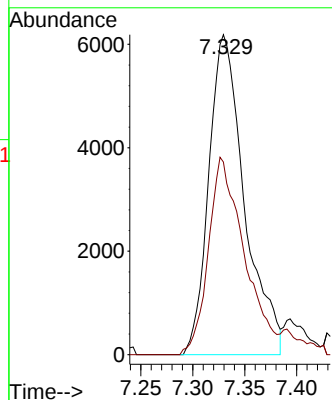
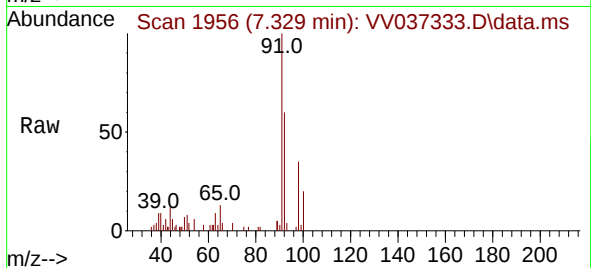
ClientSampleId :

Tgt Ion: 91 Resp: 14778

Ion Ratio Lower Upper

91 100

92 60.2 41.4 77.0



#45

1,1,2-Trichloroethane

Concen: 0.208 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.016 min

Lab File: VV037333.D

Acq: 18 Sep 2024 14:56

Tgt Ion: 97 Resp: 3392

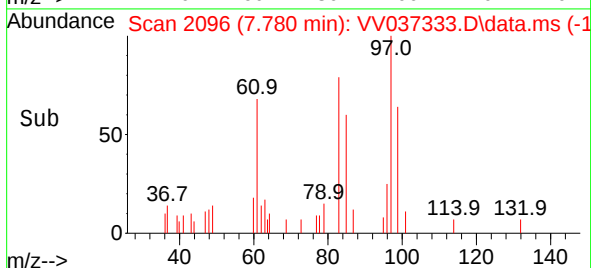
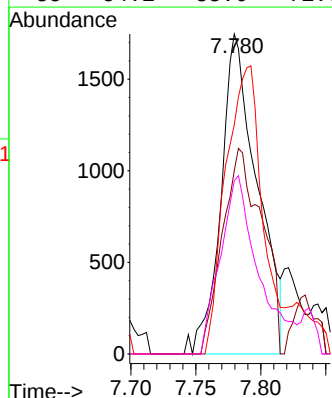
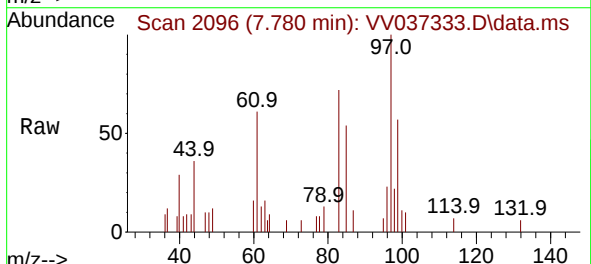
Ion Ratio Lower Upper

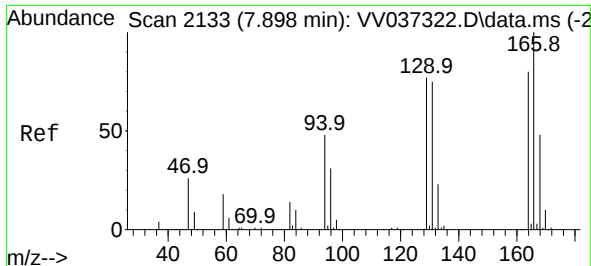
97 100

99 57.3 43.1 80.1

83 71.6 61.0 113.4

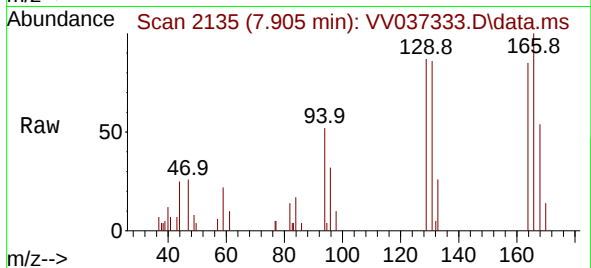
85 54.1 38.6 71.6



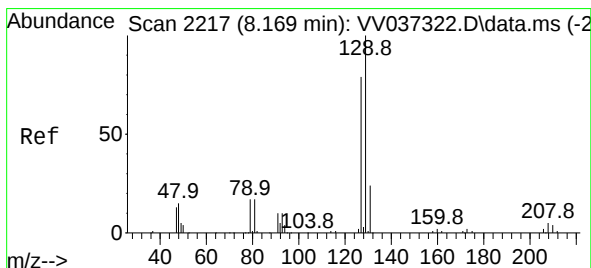
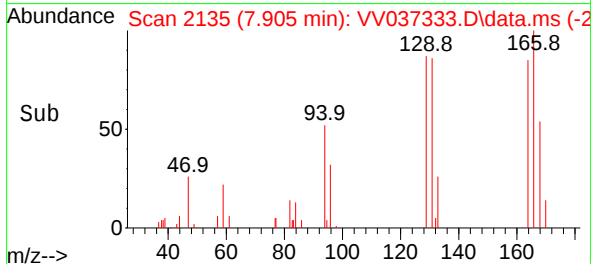
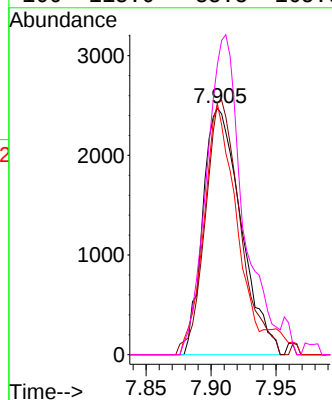


#47
Tetrachloroethene
Concen: 0.291 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Instrument :
MSVOA_V
ClientSampleId :

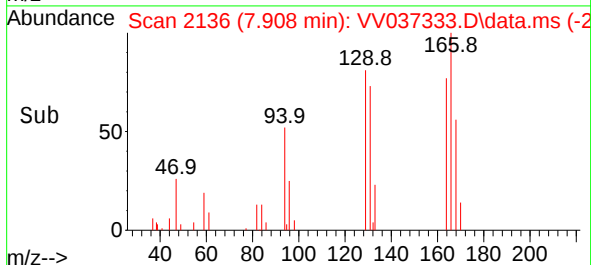
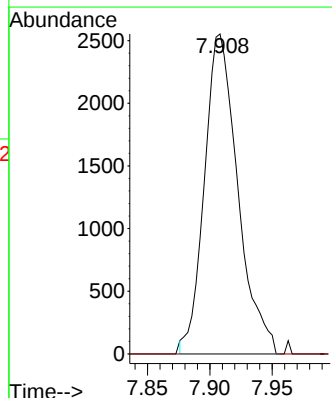
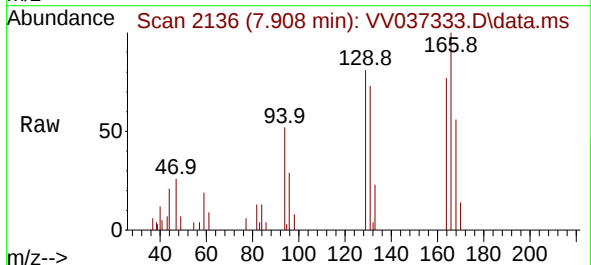


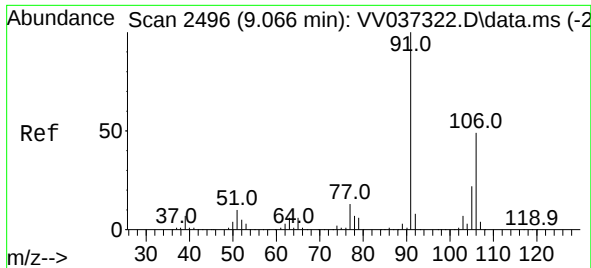
Tgt Ion:	164	Resp:	5028
Ion	Ratio	Lower	Upper
164	100		
129	102.3	69.2	128.4
131	101.7	66.6	123.8
166	118.0	88.8	165.0



#49
Dibromochloromethane
Concen: 0.278 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.260 min
Lab File: VV037333.D
Acq: 18 Sep 2024 14:56

Tgt Ion:	129	Resp:	4755
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.1#

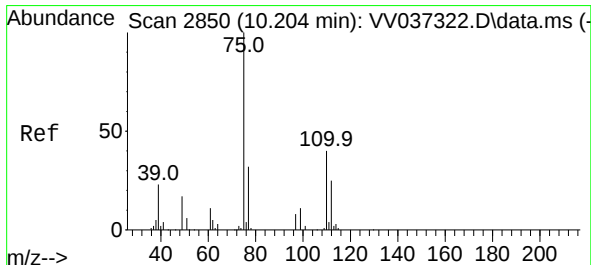
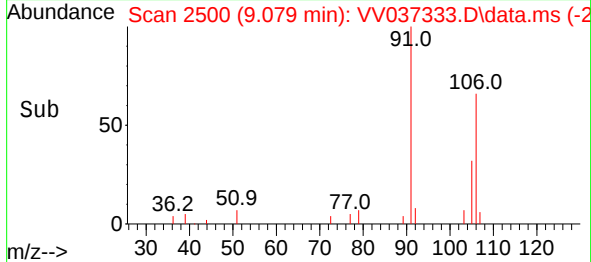
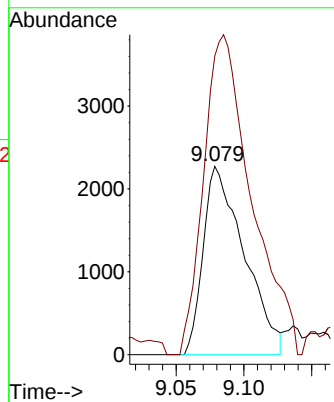
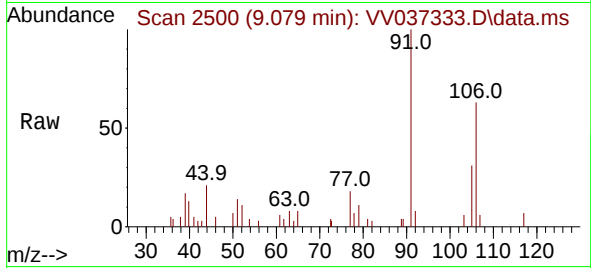




#53
 m,p-Xylene
 Concen: 0.125 ug/L
 RT: 9.079 min Scan# 2496
 Delta R.T. 0.013 min
 Lab File: VV037333.D
 Acq: 18 Sep 2024 14:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:106 Resp: 4778
 Ion Ratio Lower Upper
 106 100
 91 158.6 143.3 266.1



#61
 1,2,3-Trichloropropane
 Concen: 1.450 ug/L
 RT: 11.181 min Scan# 3154
 Delta R.T. 0.977 min
 Lab File: VV037333.D
 Acq: 18 Sep 2024 14:56

Tgt Ion: 75 Resp: 17733
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4
 110 2.1 31.0 46.4#

