

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091924\
 Data File : VV037375.D
 Acq On : 19 Sep 2024 12:12
 Operator : SY/MD
 Sample : P3986-16
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 20 01:56:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 01:54:17 2024
 Response via : Initial Calibration

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

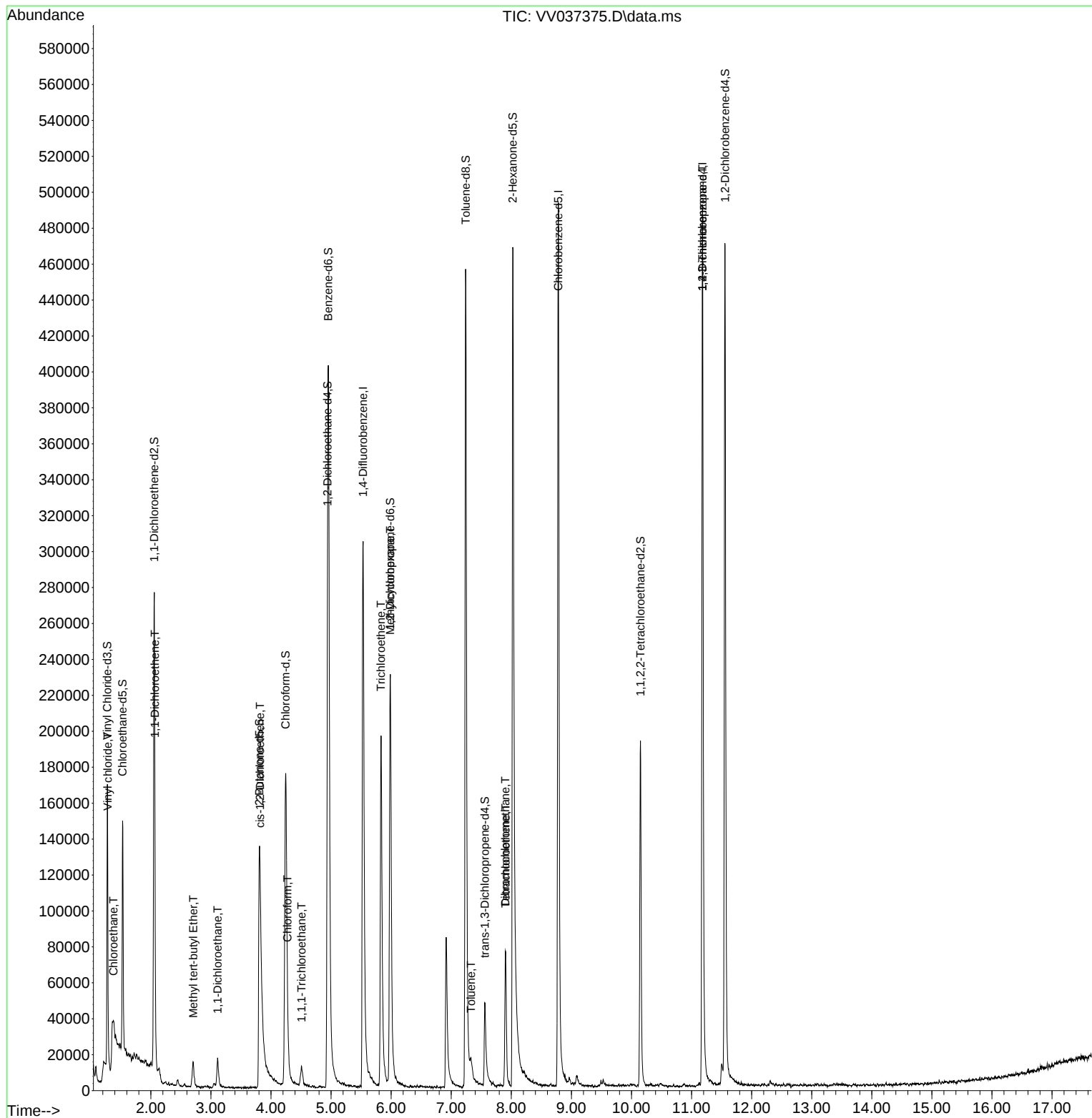
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	283712	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	292404	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	135285	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	96223	5.781	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.600%
7) Chloroethane-d5	1.529	69	83033	4.785	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.053	65	43062	5.010	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	3.805	46	219585	44.144	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.280%
24) Chloroform-d	4.243	84	197783	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.940	65	95861	5.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	4.953	84	382631	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	5.985	67	121471	4.982	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.239	98	328241	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	7.558	79	34421	4.292	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.024	63	191427	48.855	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.720%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	97885	4.926	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.557	152	125705	5.226	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	5030	0.182	ug/L #	1
8) Chloroethane	1.378	64	73584	4.428	ug/L #	50
12) 1,1-Dichloroethene	2.066	96	8353	0.420	ug/L #	1
17) Methyl tert-butyl Ether	2.706	73	10971	0.232	ug/L #	87
19) 1,1-Dichloroethane	3.111	63	16573	0.415	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	11508	0.509	ug/L	98
25) Chloroform	4.275	83	8365	0.208	ug/L	89
29) 1,1,1-Trichloroethane	4.510	97	8278	0.239	ug/L #	91
34) Trichloroethene	5.831	95	76220	3.210	ug/L	98
35) Methylcyclohexane	5.982	83	30563	0.847	ug/L #	20
42) Toluene	7.329	91	10189	0.111	ug/L	91
47) Tetrachloroethene	7.905	164	18411	1.083	ug/L	97
49) Dibromochloromethane	7.902	129	16861	1.003	ug/L #	10
61) 1,2,3-Trichloropropane	11.181	75	17475	1.420	ug/L #	64

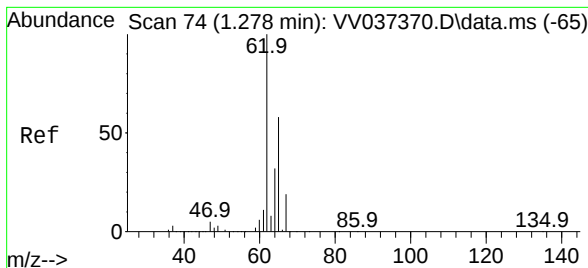
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.182 ug/L

RT: 1.281 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

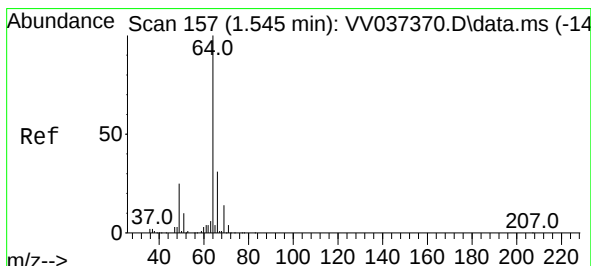
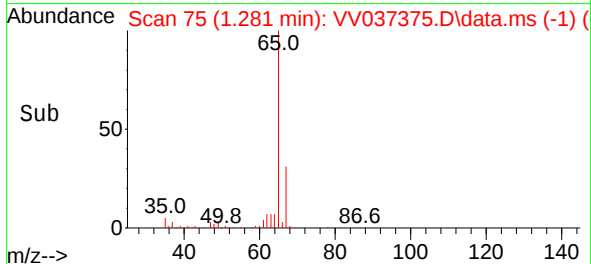
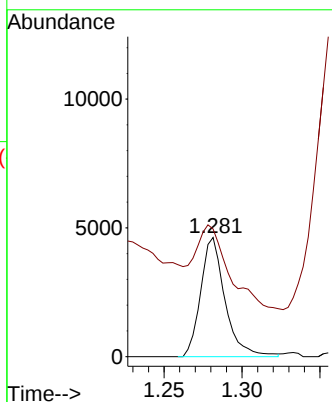
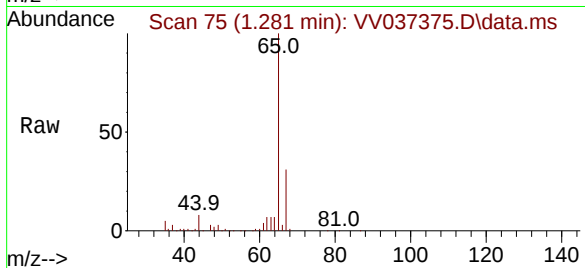
ClientSampleId :

Tgt Ion: 62 Resp: 5030

Ion Ratio Lower Upper

62 100

64 107.0 22.4 41.6#



#8

Chloroethane

Concen: 4.428 ug/L

RT: 1.378 min Scan# 105

Delta R.T. -0.167 min

Lab File: VV037375.D

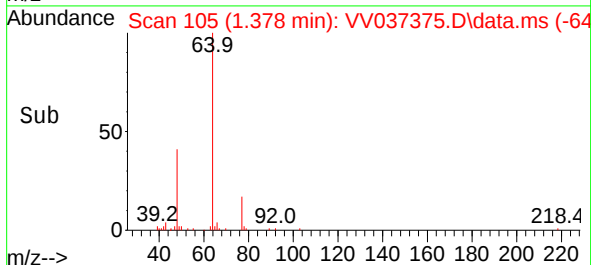
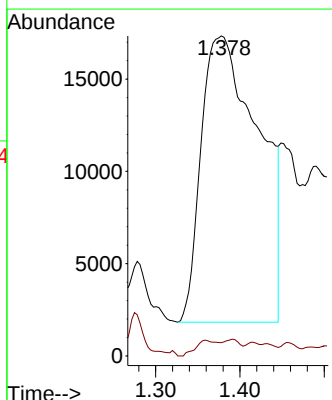
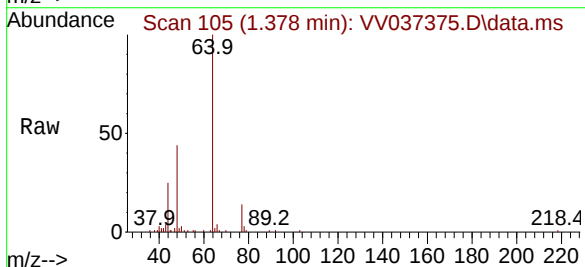
Acq: 19 Sep 2024 12:12

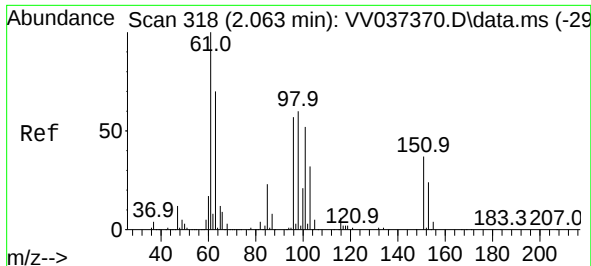
Tgt Ion: 64 Resp: 73584

Ion Ratio Lower Upper

64 100

66 4.2 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.420 ug/L

RT: 2.066 min Scan# 318

Delta R.T. 0.003 min

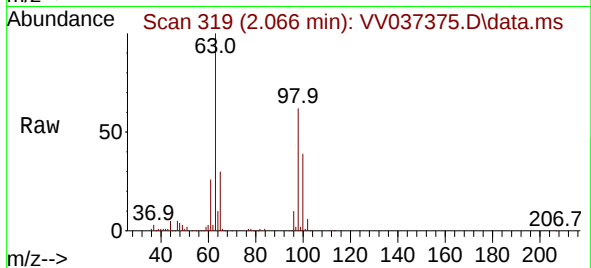
Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :



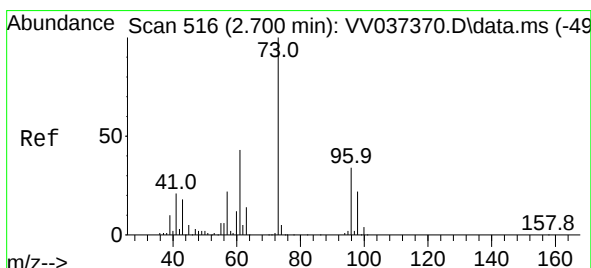
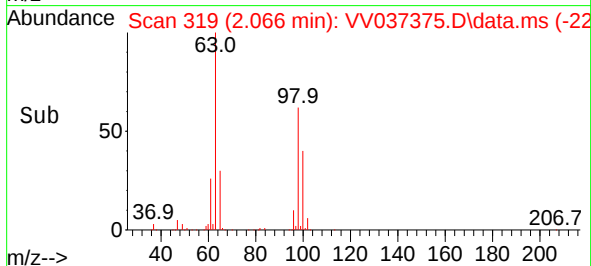
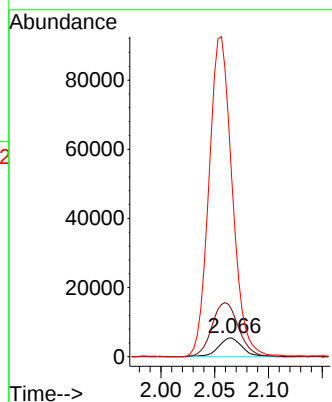
Tgt Ion: 96 Resp: 8353

Ion Ratio Lower Upper

96 100

61 250.2 119.9 222.7#

63 953.1 81.4 151.2#



#17

Methyl tert-butyl Ether

Concen: 0.232 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.006 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

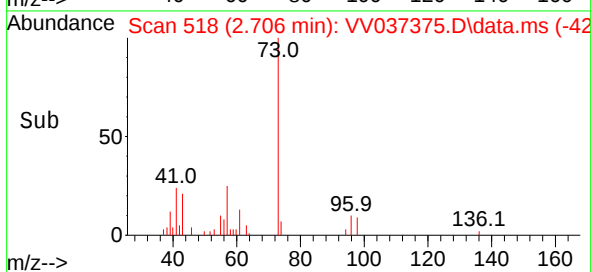
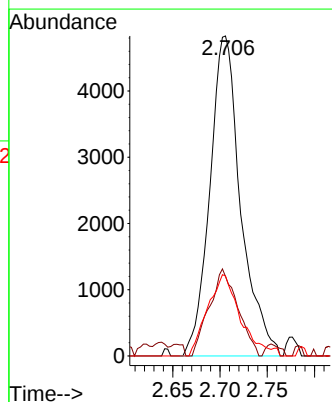
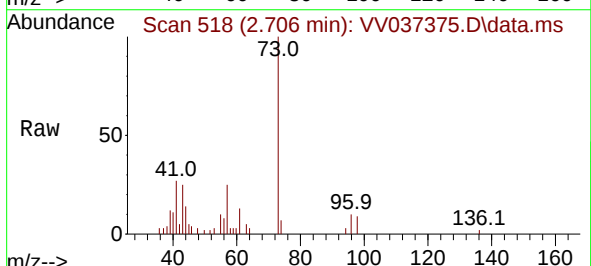
Tgt Ion: 73 Resp: 10971

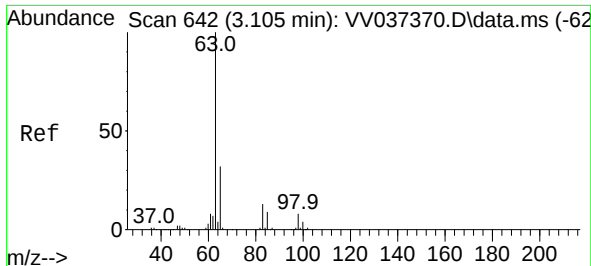
Ion Ratio Lower Upper

73 100

43 25.2 14.5 21.7#

57 27.1 17.7 26.5#

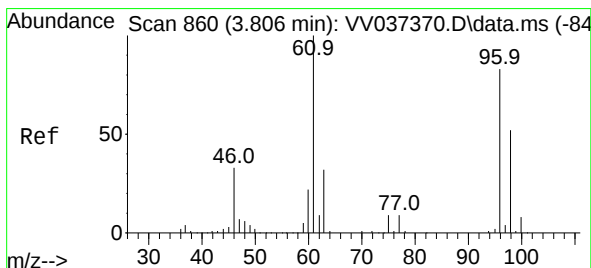
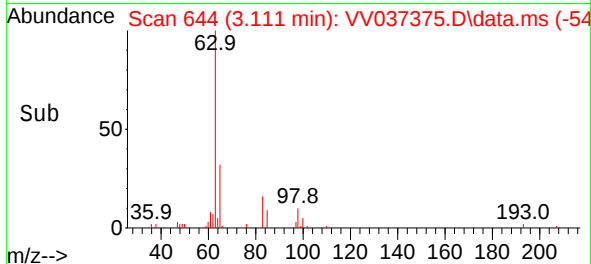
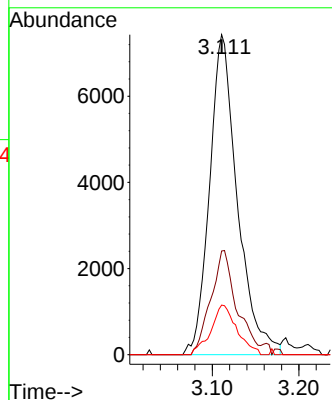
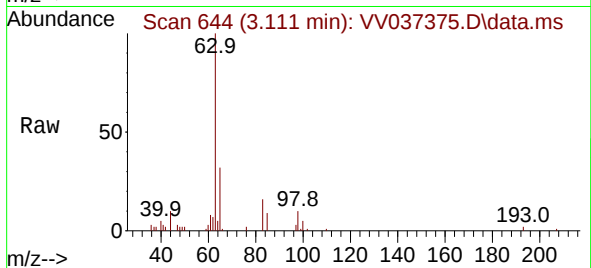




#19
1,1-Dichloroethane
Concen: 0.415 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.006 min
Lab File: VV037375.D
Acq: 19 Sep 2024 12:12

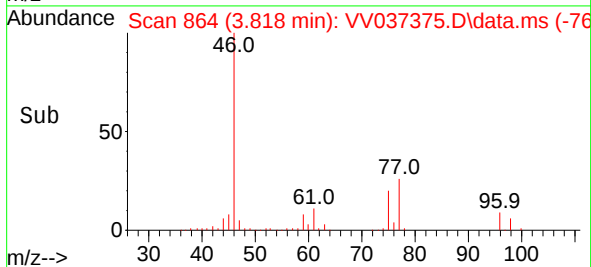
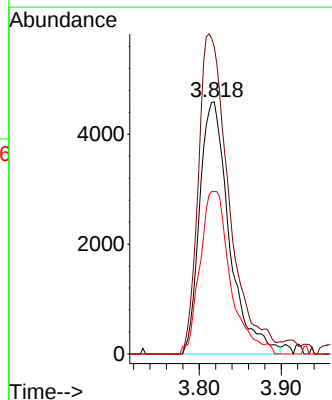
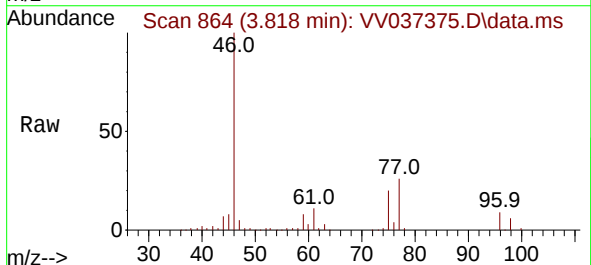
Instrument :
MSVOA_V
ClientSampleId :

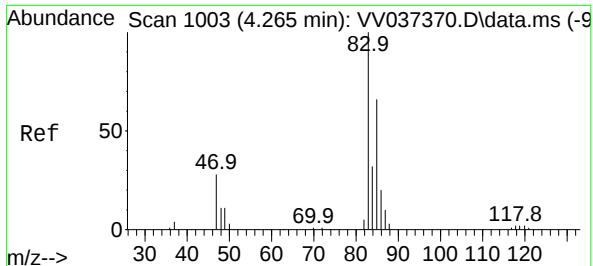
Tgt Ion: 63 Resp: 16573
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.7
83 15.5 8.9 16.5



#22
cis-1,2-Dichloroethene
Concen: 0.509 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.013 min
Lab File: VV037375.D
Acq: 19 Sep 2024 12:12

Tgt Ion: 96 Resp: 11508
Ion Ratio Lower Upper
96 100
61 121.9 87.6 162.6
98 64.4 44.9 83.5





#25

Chloroform

Concen: 0.208 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.009 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

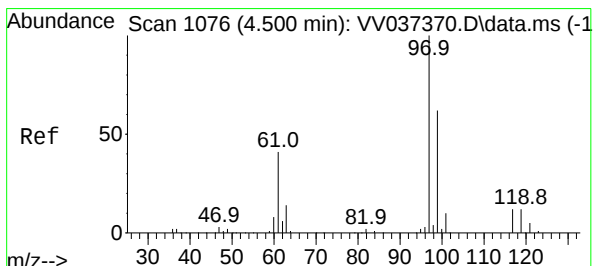
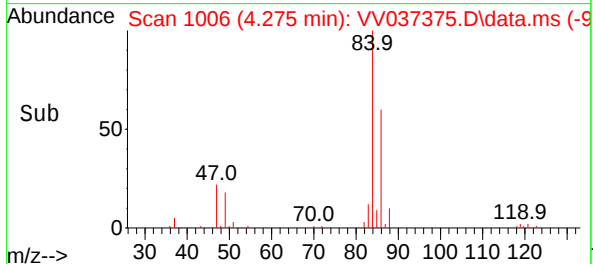
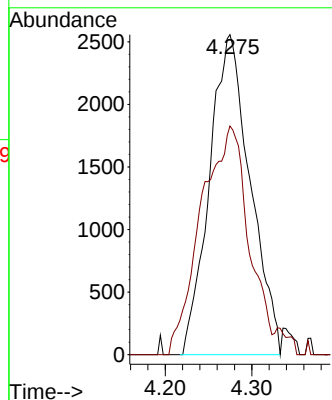
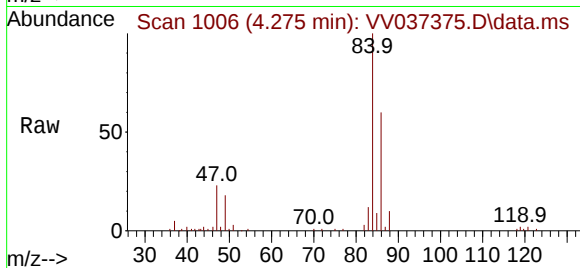
ClientSampleId :

Tgt Ion: 83 Resp: 8365

Ion Ratio Lower Upper

83 100

85 71.5 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.239 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.009 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

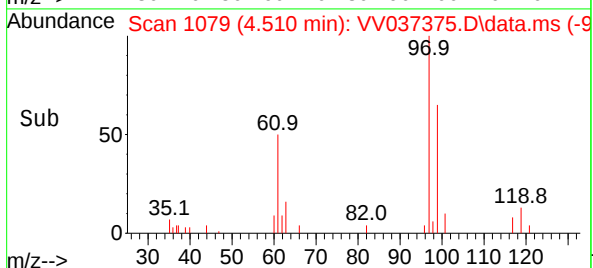
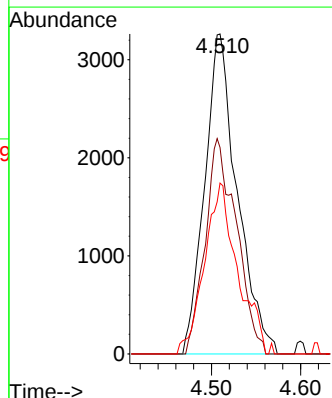
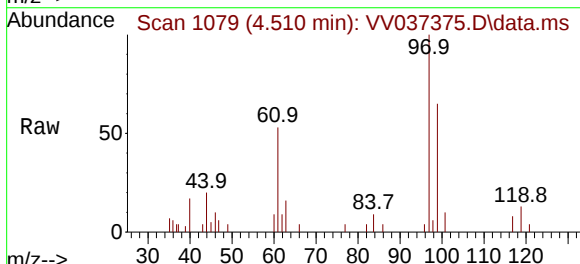
Tgt Ion: 97 Resp: 8278

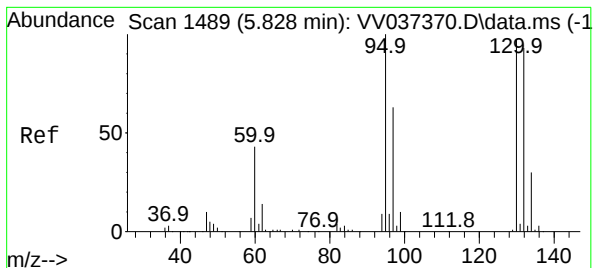
Ion Ratio Lower Upper

97 100

99 64.8 50.0 75.0

61 54.1 34.3 51.5#





#34

Trichloroethene

Concen: 3.210 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 76220

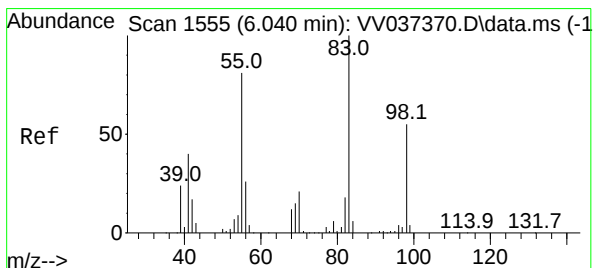
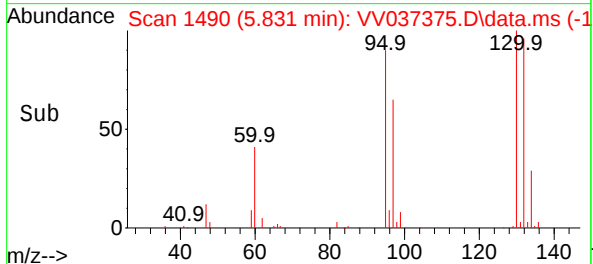
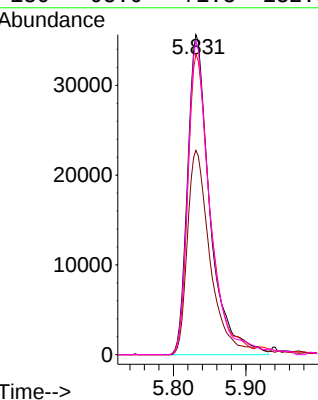
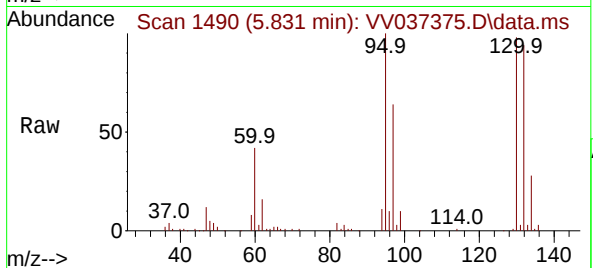
Ion Ratio Lower Upper

95 100

97 63.9 46.5 86.5

132 93.9 65.5 121.7

130 98.0 71.3 132.3



#35

Methylcyclohexane

Concen: 0.847 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

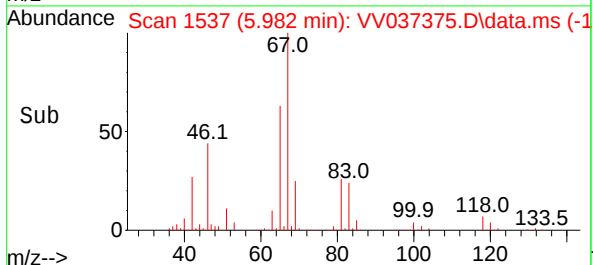
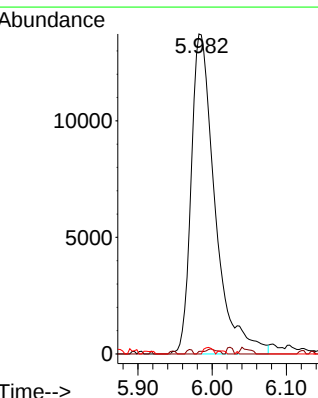
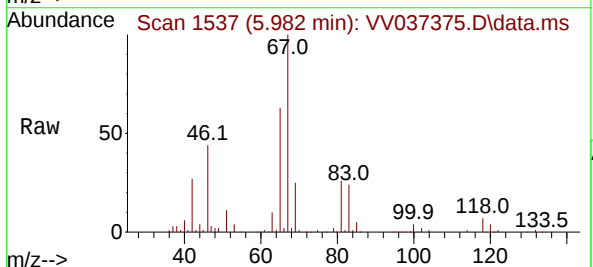
Tgt Ion: 83 Resp: 30563

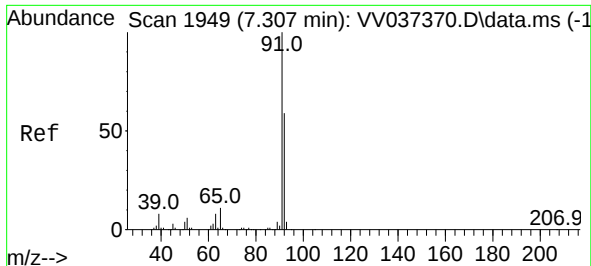
Ion Ratio Lower Upper

83 100

55 0.9 60.3 90.5#

98 0.7 38.2 57.4#





#42

Toluene

Concen: 0.111 ug/L

RT: 7.329 min Scan# 1949

Delta R.T. 0.022 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

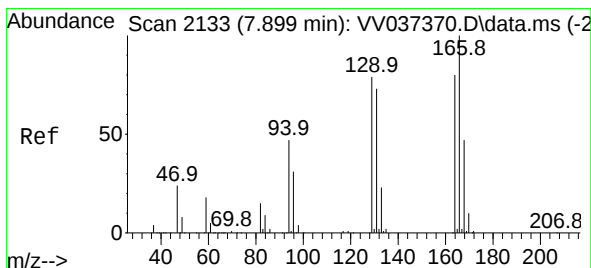
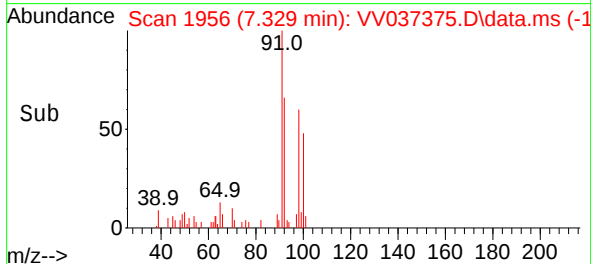
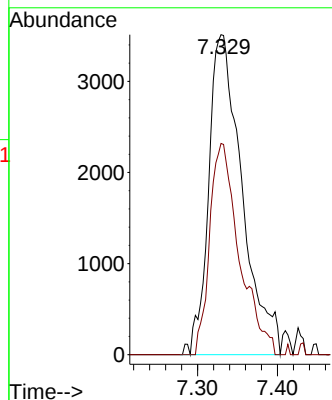
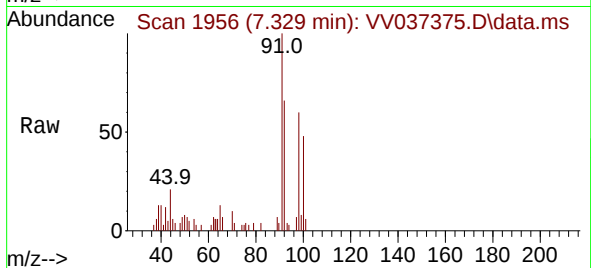
ClientSampleId :

Tgt Ion: 91 Resp: 10189

Ion Ratio Lower Upper

91 100

92 66.0 41.4 77.0



#47

Tetrachloroethene

Concen: 1.083 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Tgt Ion: 164 Resp: 18411

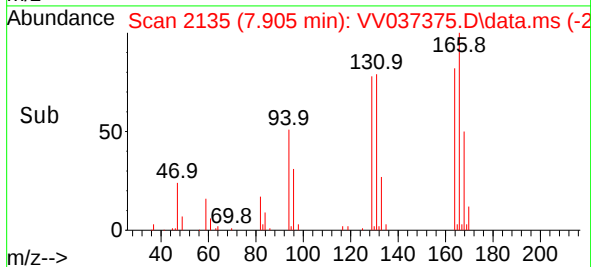
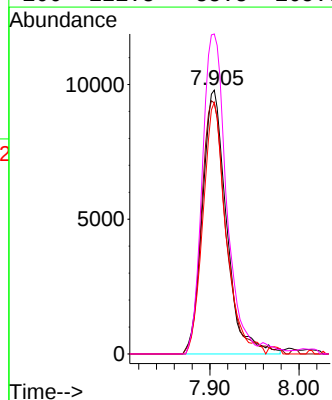
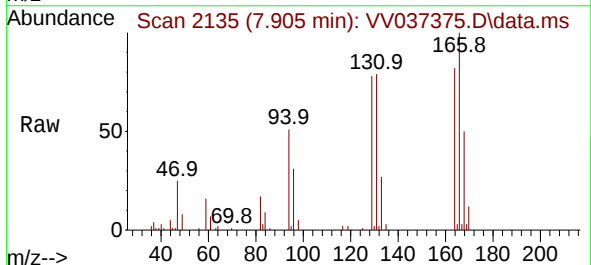
Ion Ratio Lower Upper

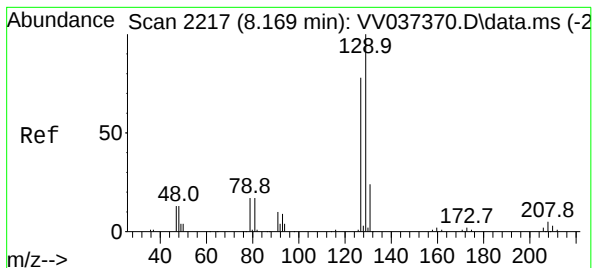
164 100

129 95.2 69.2 128.4

131 95.3 66.6 123.8

166 121.3 88.8 165.0





#49

Dibromochloromethane

Concen: 1.003 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.267 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Instrument :

MSVOA_V

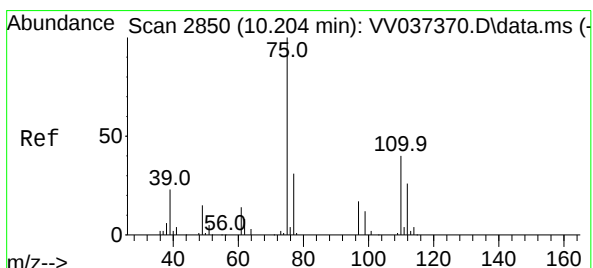
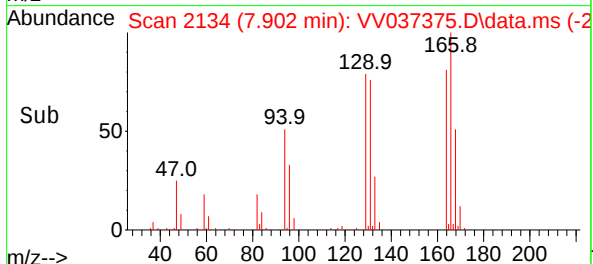
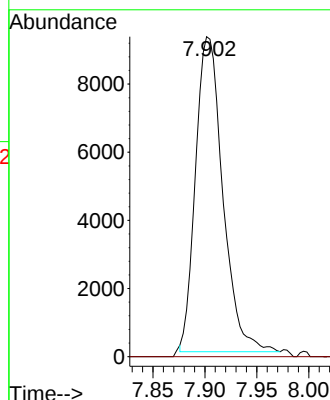
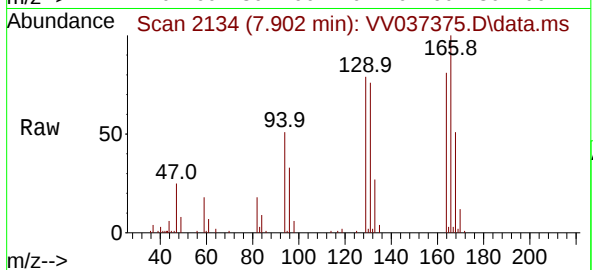
ClientSampleId :

Tgt Ion:129 Resp: 16861

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.420 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. 0.977 min

Lab File: VV037375.D

Acq: 19 Sep 2024 12:12

Tgt Ion: 75 Resp: 17475

Ion Ratio Lower Upper

75 100

77 28.7 25.6 38.4

110 2.2 31.0 46.4#

