

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091824\
 Data File : VV037359.D
 Acq On : 19 Sep 2024 02:19
 Operator : SY/MD
 Sample : P3986-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 04:01:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 02:54:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	289277	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	299597	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	137513	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	102293	6.027	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.600%
7) Chloroethane-d5	1.529	69	85923	4.856	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.053	65	44023	5.023	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	3.802	46	217032	42.791	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.580%
24) Chloroform-d	4.243	84	197678	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	4.941	65	95768	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	4.953	84	387048	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	5.985	67	121456	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.239	98	326472	4.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.561	79	31193	3.796	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.000%
46) 2-Hexanone-d5	8.024	63	191076	47.595	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.180%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	98115	4.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	124003	5.072	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%

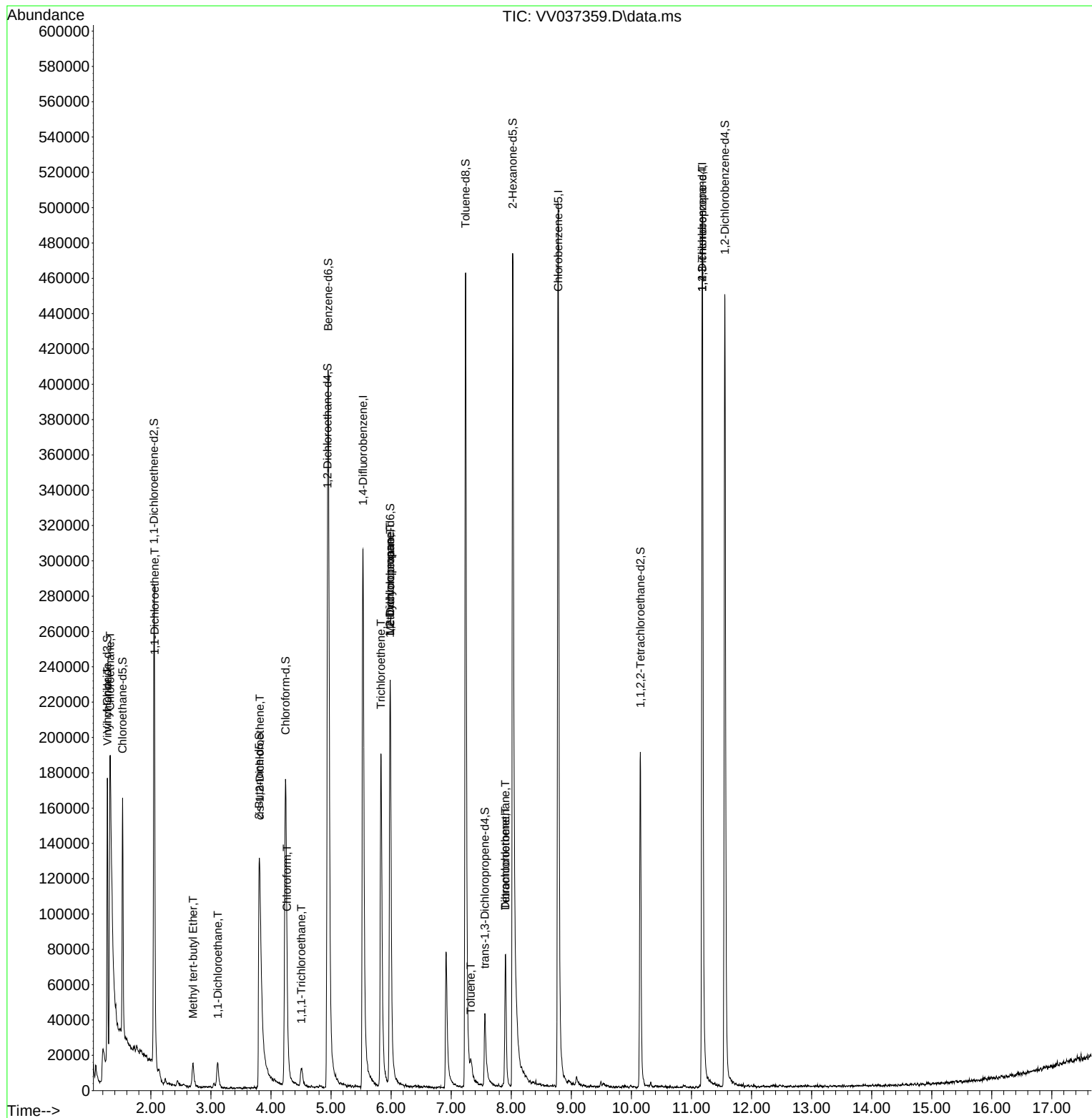
Target Compounds				Qvalue		
5) Vinyl chloride	1.278	62	4904	0.174	ug/L #	1
8) Chloroethane	1.323	64	419773	24.773	ug/L #	51
12) 1,1-Dichloroethene	2.063	96	7796	0.385	ug/L #	1
17) Methyl tert-butyl Ether	2.703	73	11166	0.232	ug/L #	94
19) 1,1-Dichloroethane	3.114	63	15325	0.376	ug/L	97
22) cis-1,2-Dichloroethene	3.812	96	11156	0.484	ug/L	95
25) Chloroform	4.269	83	7993	0.195	ug/L	93
29) 1,1,1-Trichloroethane	4.506	97	8028	0.226	ug/L	94
34) Trichloroethene	5.831	95	75030	3.084	ug/L	96
35) Methylcyclohexane	5.985	83	29848	0.807	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	12603	0.549	ug/L #	87
42) Toluene	7.326	91	9455	0.101	ug/L	94
47) Tetrachloroethene	7.902	164	18379	1.056	ug/L	97
49) Dibromochloromethane	7.902	129	17153	0.996	ug/L #	10
61) 1,2,3-Trichloropropane	11.181	75	17470	1.396	ug/L #	66

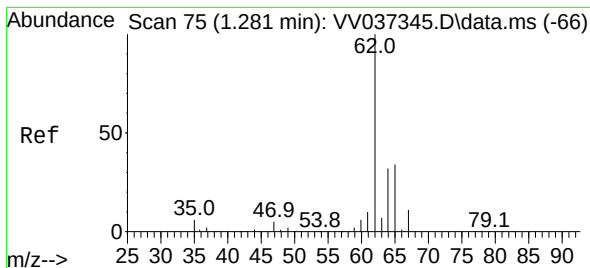
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 02:54:38 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.174 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min MSVOA_V

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

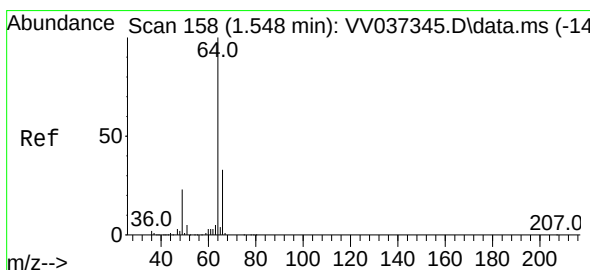
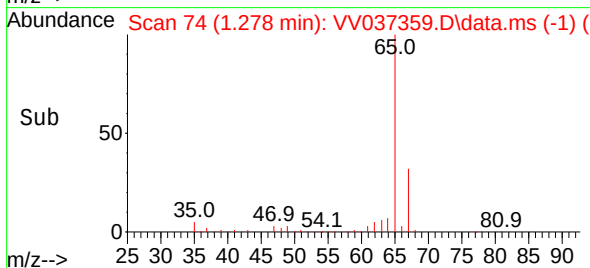
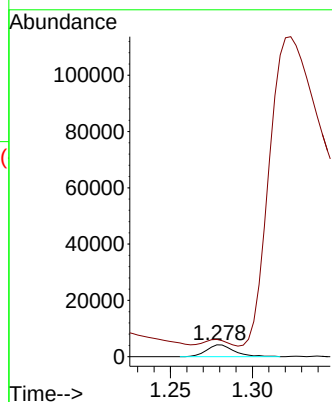
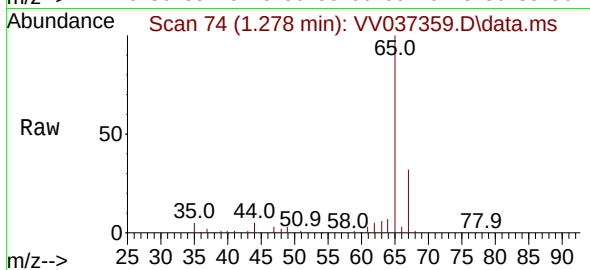
ClientSampleId :

Tgt Ion: 62 Resp: 4904

Ion Ratio Lower Upper

62 100

64 145.4 22.4 41.6#



#8

Chloroethane

Concen: 24.773 ug/L

RT: 1.323 min Scan# 88

Delta R.T. -0.225 min

Lab File: VV037359.D

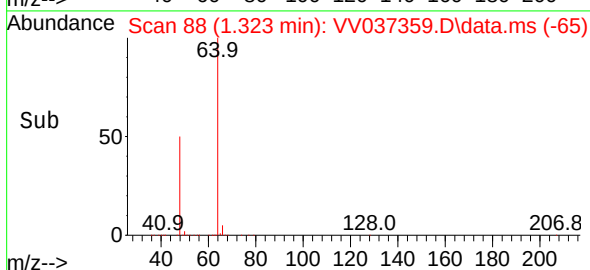
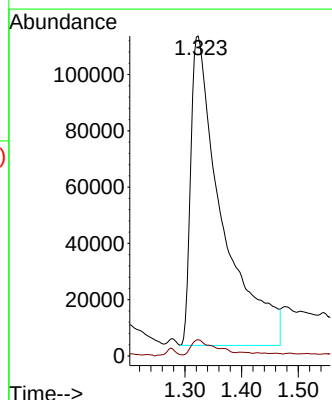
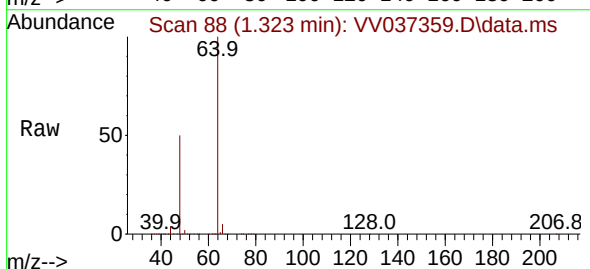
Acq: 19 Sep 2024 02:19

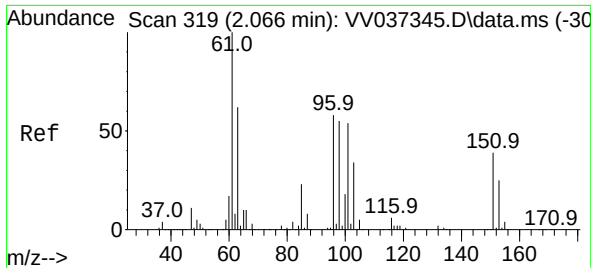
Tgt Ion: 64 Resp: 419773

Ion Ratio Lower Upper

64 100

66 5.1 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.385 ug/L

RT: 2.063 min Scan# 319

Delta R.T. -0.003 min

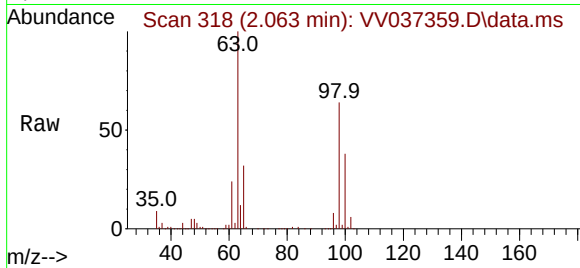
Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

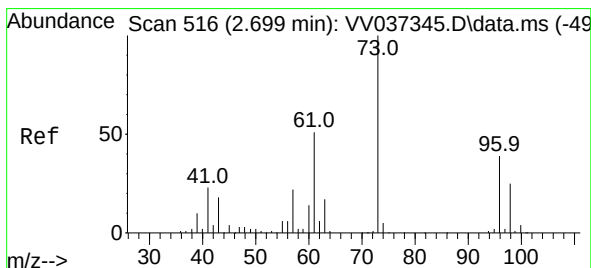
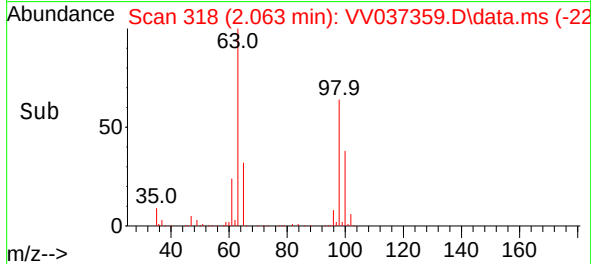
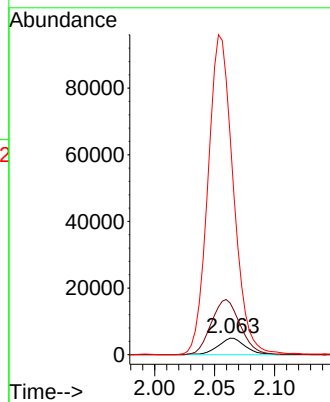
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	7796
Ion	Ratio	Lower	Upper
96	100		
61	312.0	119.9	222.7#
63	1320.9	81.4	151.2#



#17

Methyl tert-butyl Ether

Concen: 0.232 ug/L

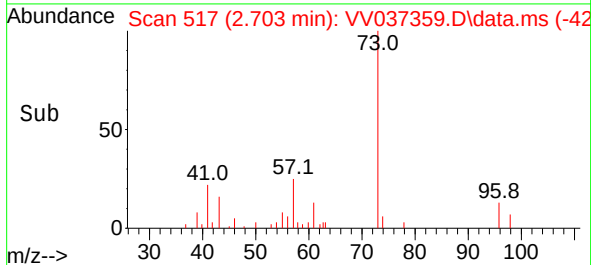
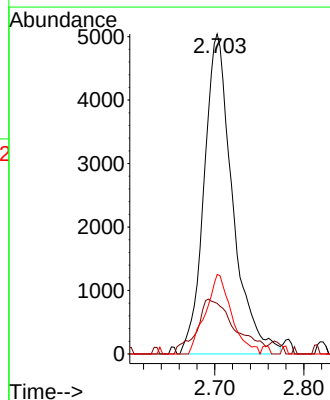
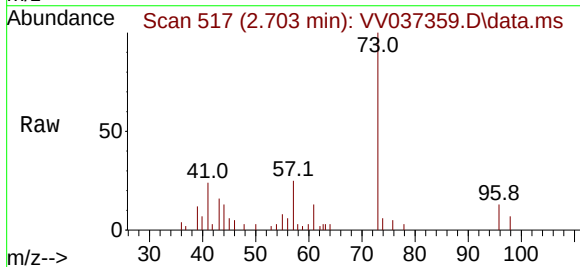
RT: 2.703 min Scan# 517

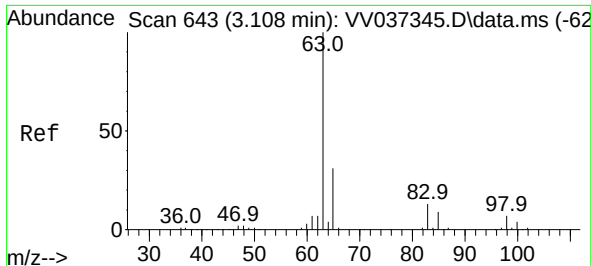
Delta R.T. 0.003 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Tgt Ion:	73	Resp:	11166
Ion	Ratio	Lower	Upper
73	100		
43	23.0	14.5	21.7#
57	22.7	17.7	26.5





#19

1,1-Dichloroethane

Concen: 0.376 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

ClientSampleId :

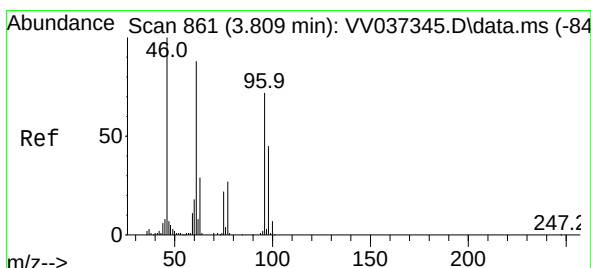
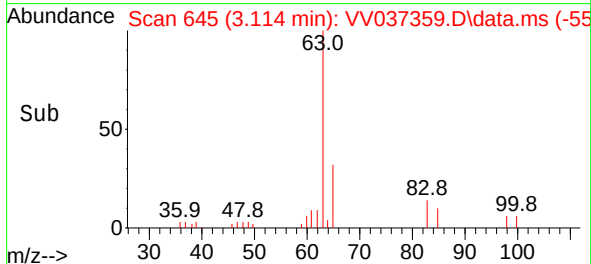
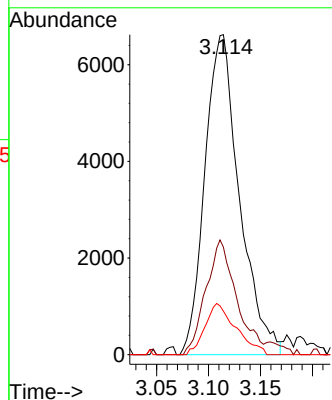
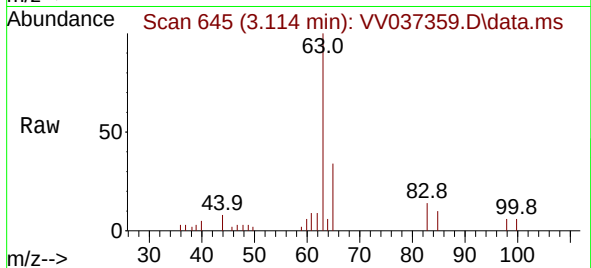
Tgt Ion: 63 Resp: 15325

Ion Ratio Lower Upper

63 100

65 33.6 22.5 41.7

83 13.6 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 0.484 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

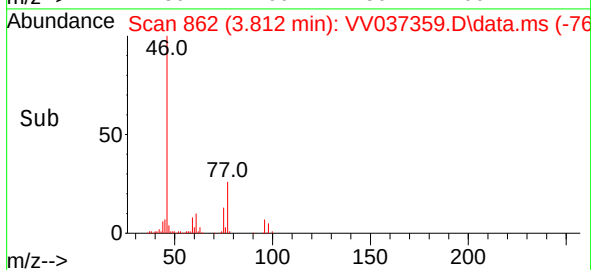
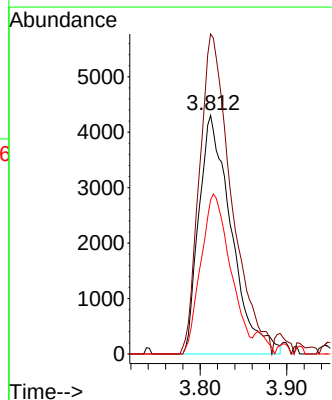
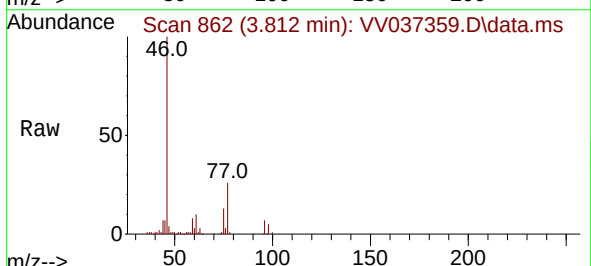
Tgt Ion: 96 Resp: 11156

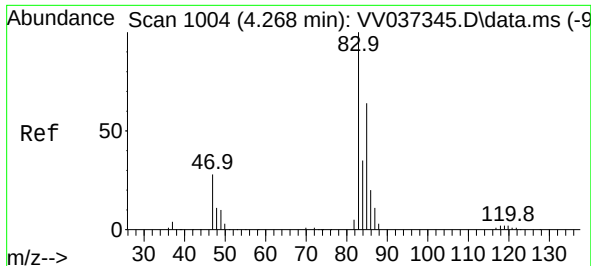
Ion Ratio Lower Upper

96 100

61 134.1 87.6 162.6

98 64.5 44.9 83.5





#25

Chloroform

Concen: 0.195 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

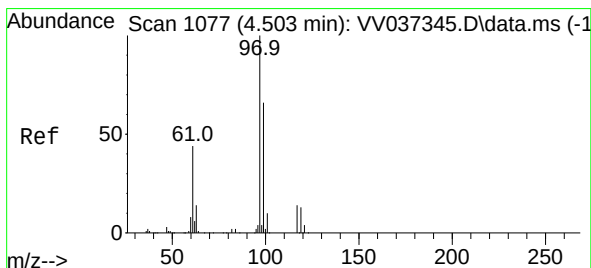
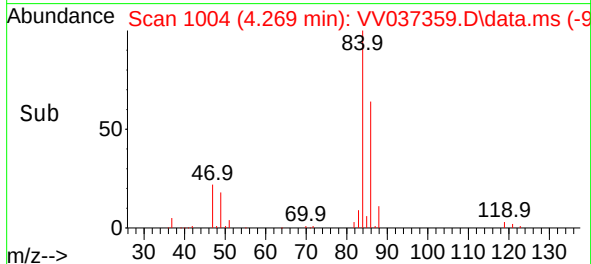
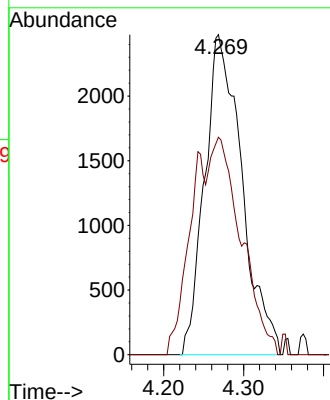
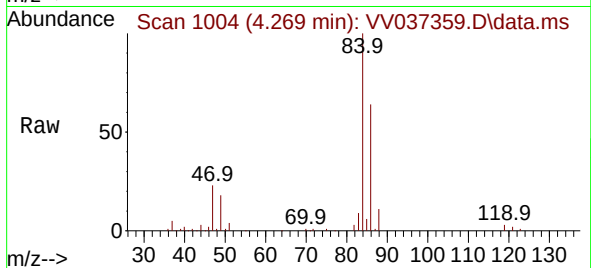
ClientSampleId :

Tgt Ion: 83 Resp: 7993

Ion Ratio Lower Upper

83 100

85 68.0 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.226 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

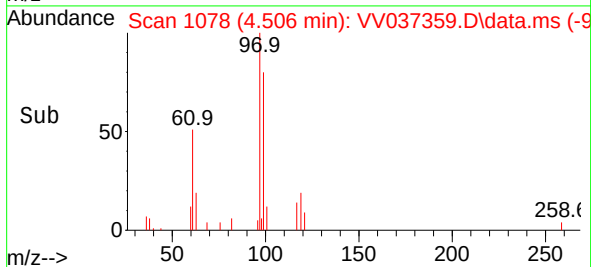
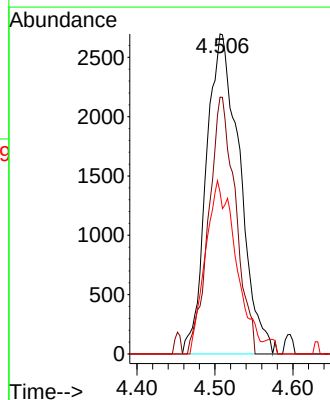
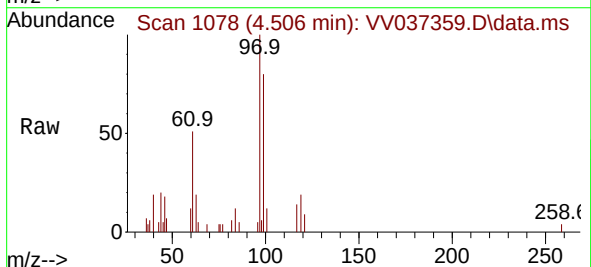
Tgt Ion: 97 Resp: 8028

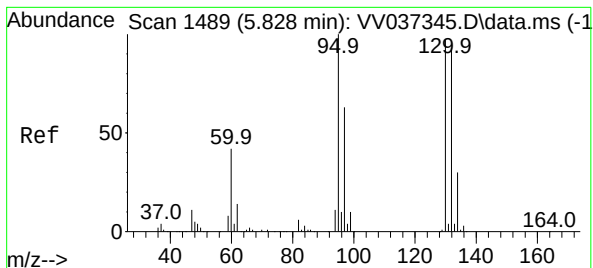
Ion Ratio Lower Upper

97 100

99 64.4 50.0 75.0

61 50.0 34.3 51.5





#34

Trichloroethene

Concen: 3.084 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.003 min

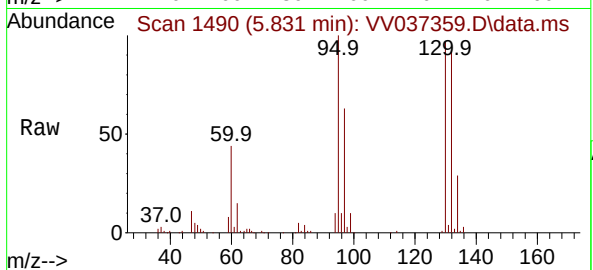
Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 75030

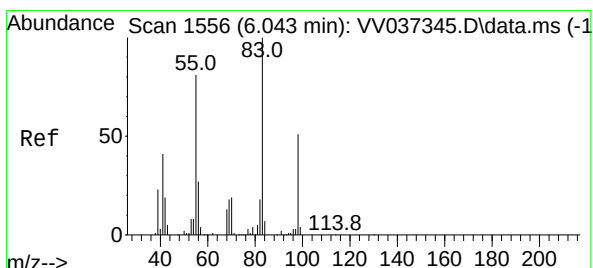
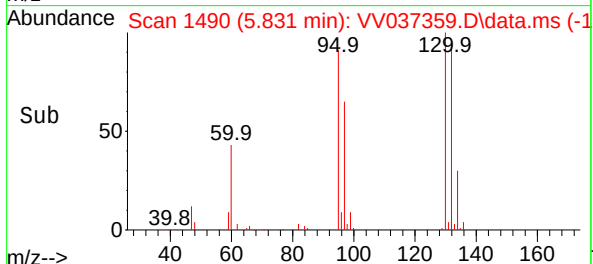
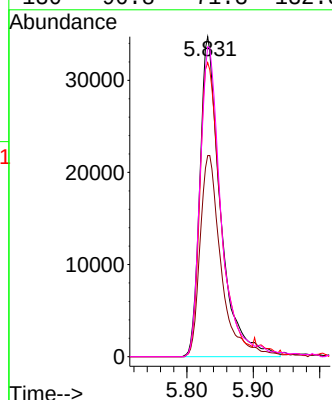
Ion Ratio Lower Upper

95 100

97 62.9 46.5 86.5

132 91.9 65.5 121.7

130 96.8 71.3 132.3



#35

Methylcyclohexane

Concen: 0.807 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.058 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

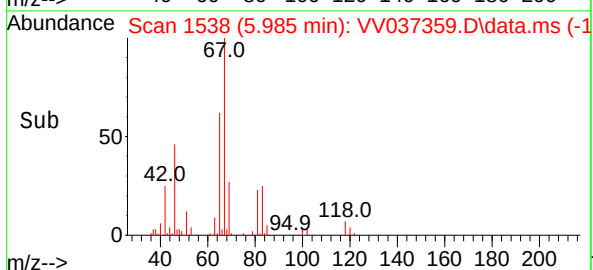
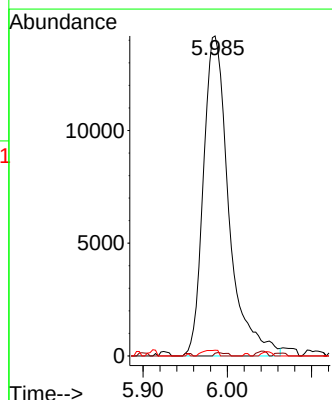
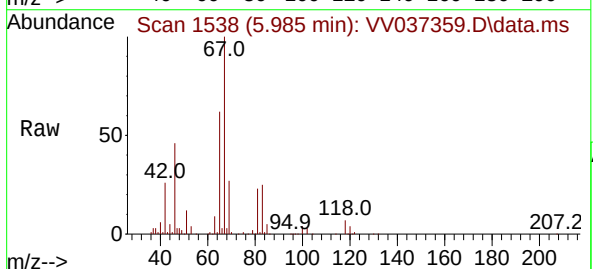
Tgt Ion: 83 Resp: 29848

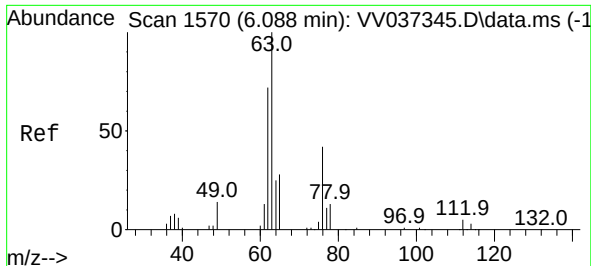
Ion Ratio Lower Upper

83 100

55 0.5 60.3 90.5#

98 1.1 38.2 57.4#





#37

1,2-Dichloropropane

Concen: 0.549 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.106 min

Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

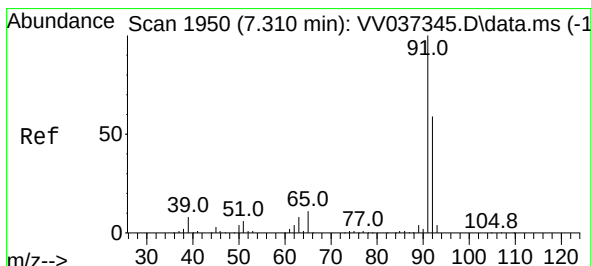
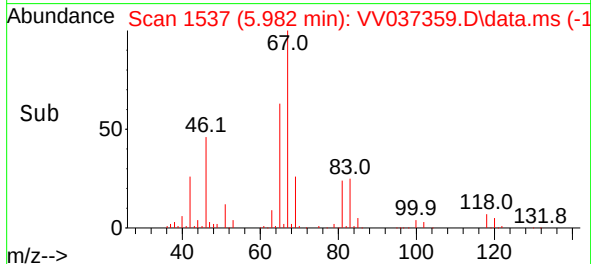
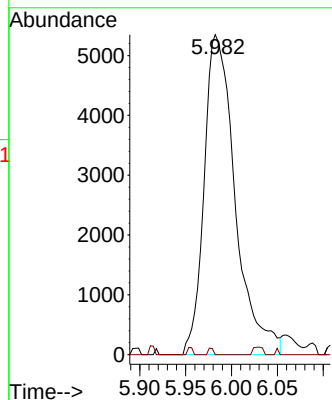
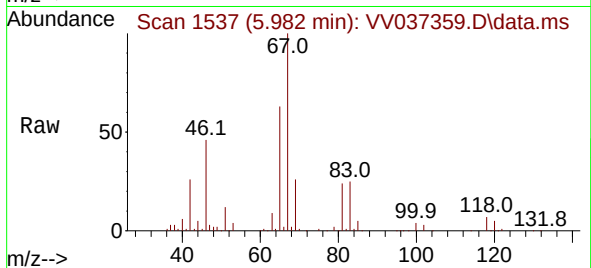
ClientSampleId :

Tgt Ion: 63 Resp: 12603

Ion Ratio Lower Upper

63 100

112 0.3 3.7 5.5#



#42

Toluene

Concen: 0.101 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VV037359.D

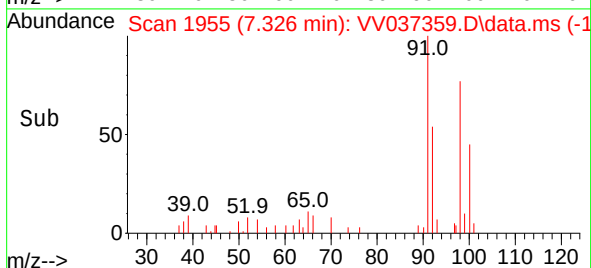
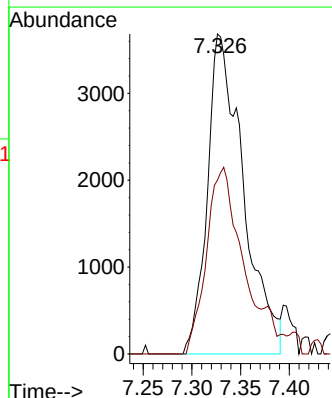
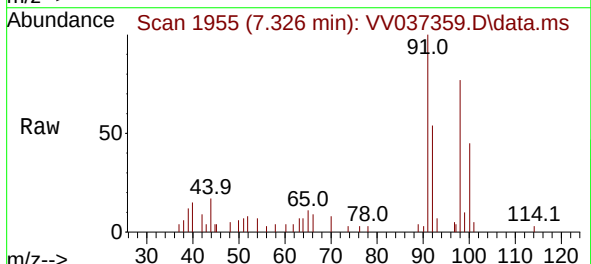
Acq: 19 Sep 2024 02:19

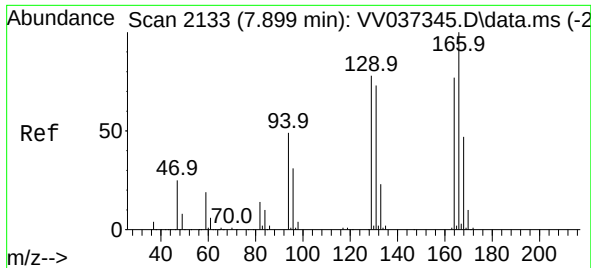
Tgt Ion: 91 Resp: 9455

Ion Ratio Lower Upper

91 100

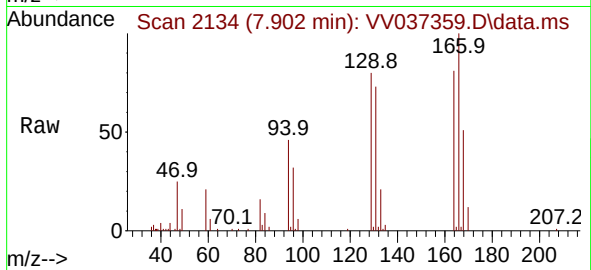
92 54.4 41.4 77.0



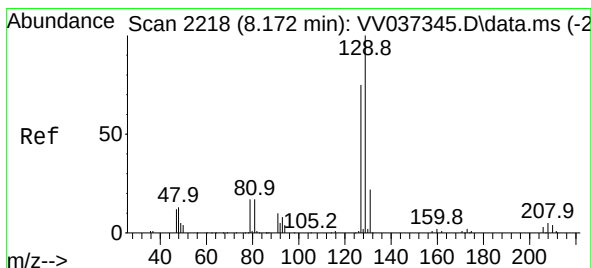
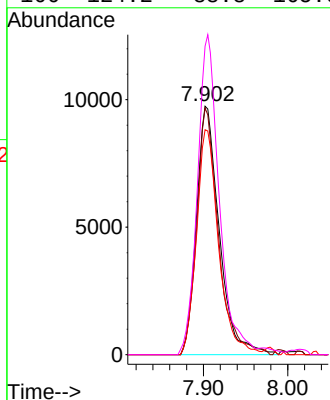
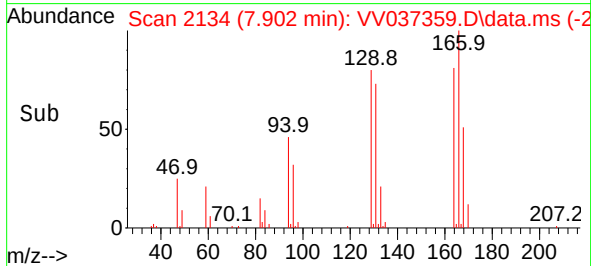


#47
Tetrachloroethene
Concen: 1.056 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV037359.D
Acq: 19 Sep 2024 02:19

Instrument :
MSVOA_V
ClientSampleId :

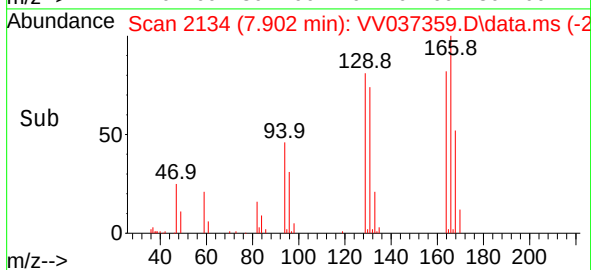
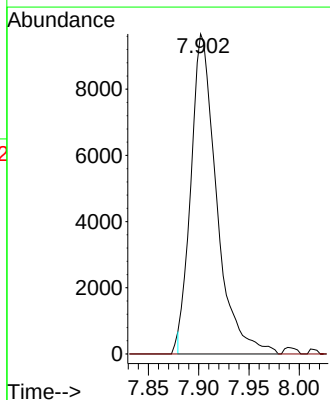
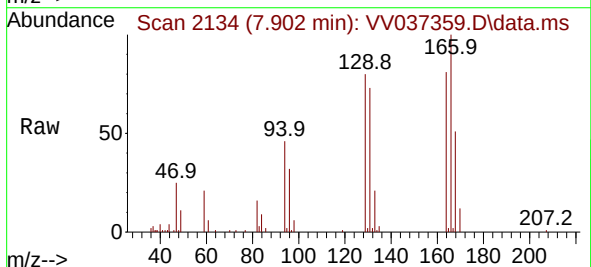


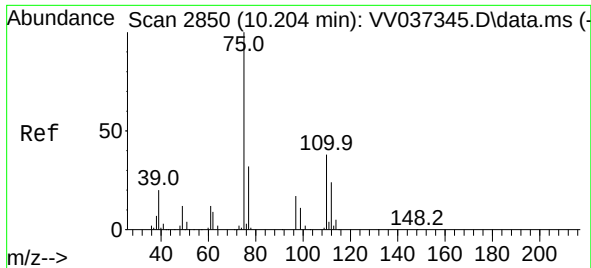
Tgt Ion:164 Resp: 18379
Ion Ratio Lower Upper
164 100
129 99.2 69.2 128.4
131 90.5 66.6 123.8
166 124.2 88.8 165.0



#49
Dibromochloromethane
Concen: 0.996 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.270 min
Lab File: VV037359.D
Acq: 19 Sep 2024 02:19

Tgt Ion:129 Resp: 17153
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 1.396 ug/L

RT: 11.181 min Scan# 31

Delta R.T. 0.977 min

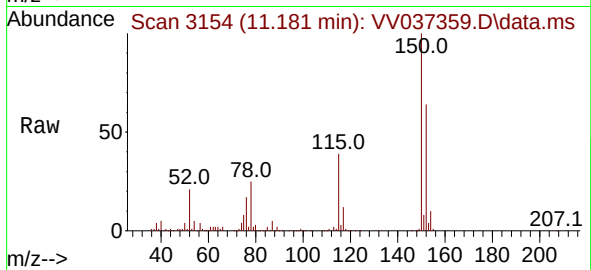
Lab File: VV037359.D

Acq: 19 Sep 2024 02:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 17470

Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

110 2.9 31.0 46.4#

