

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092624\
 Data File : VU061019.D
 Acq On : 26 Sep 2024 14:41
 Operator : MD/SY
 Sample : P4186-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 04:53:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 27 04:49:19 2024
 Response via : Initial Calibration

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

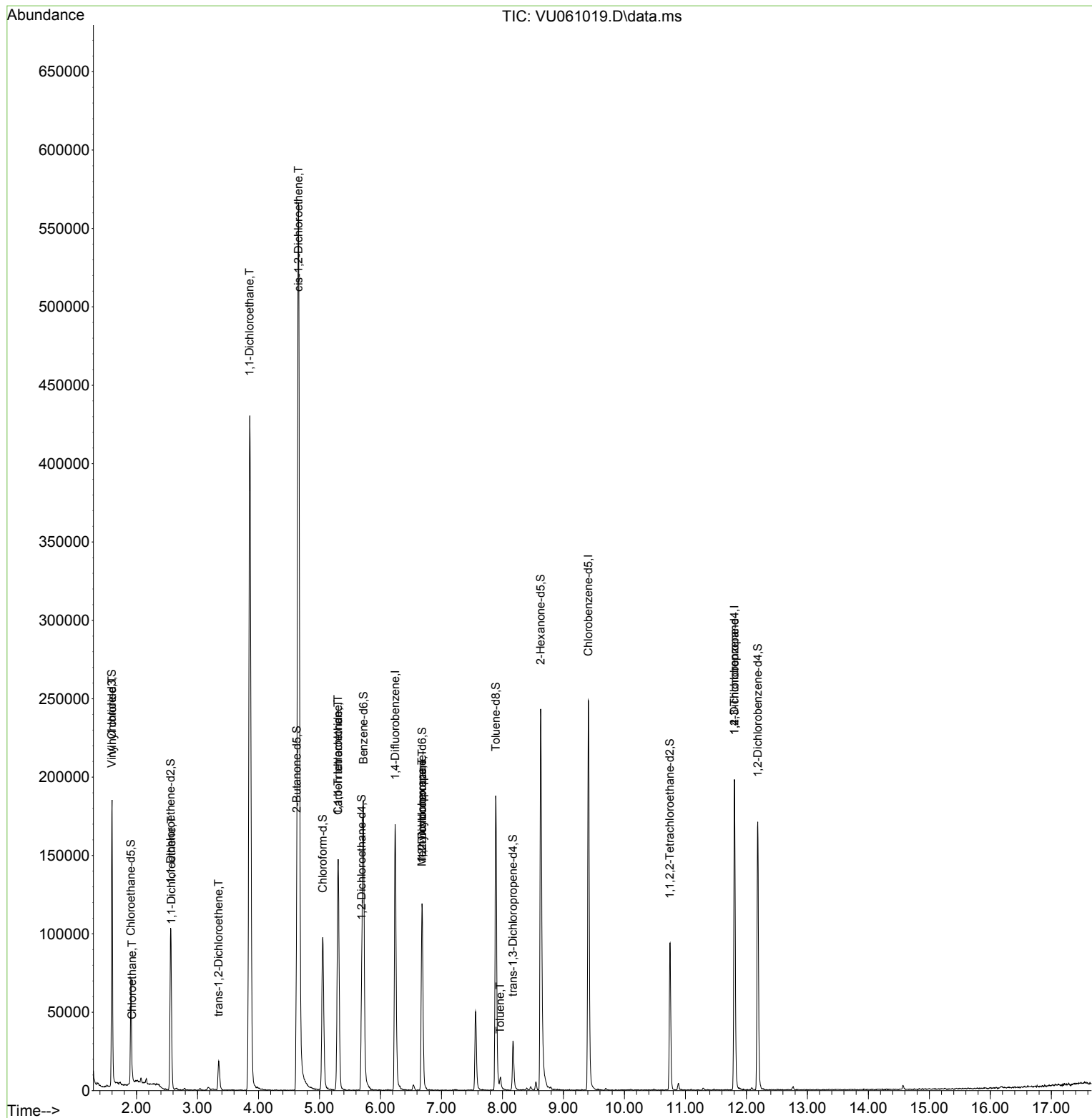
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	141444	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	151908	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	57484	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53274	4.188	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.907	69	48661	5.372	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.560	65	18156	4.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	4.627	46	111949	54.814	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.620%
24) Chloroform-d	5.055	84	97672	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.692	65	48488	5.216	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.721	84	181001	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.682	67	64066	5.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.891	98	137673	3.709	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.174	79	20104	4.434	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	86977	48.625	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.240%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	50233	5.090	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	48892	5.062	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	84633	6.933	ug/L	98
8) Chloroethane	1.927	64	1988	0.267	ug/L #	69
12) 1,1-Dichloroethene	2.570	96	5325	0.599	ug/L #	1
18) trans-1,2-Dichloroethene	3.348	96	8976	0.974	ug/L	92
19) 1,1-Dichloroethane	3.856	63	508977	27.497	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	303415	29.736	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	109253	6.662	ug/L	98
31) Carbon tetrachloride	5.306	117	13704	0.944	ug/L	91
35) Methylcyclohexane	6.679	83	13893	0.925	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	5960	0.518	ug/L #	93
42) Toluene	7.962	91	6121	0.140	ug/L #	22
61) 1,2,3-Trichloropropane	11.804	75	6518	1.216	ug/L #	69

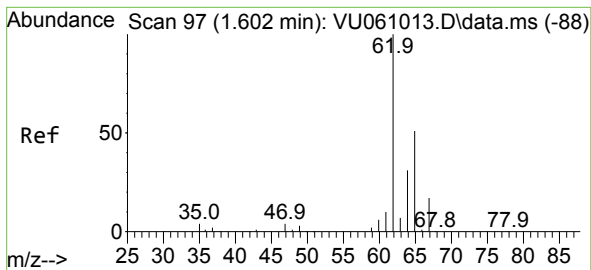
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.933 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Instrument :

MSVOA_U

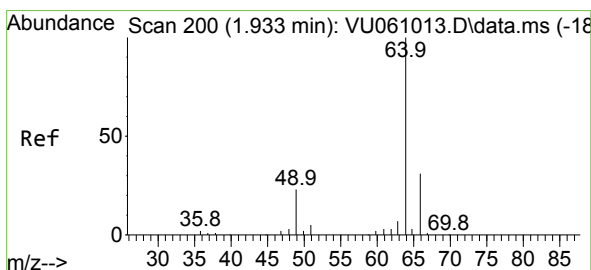
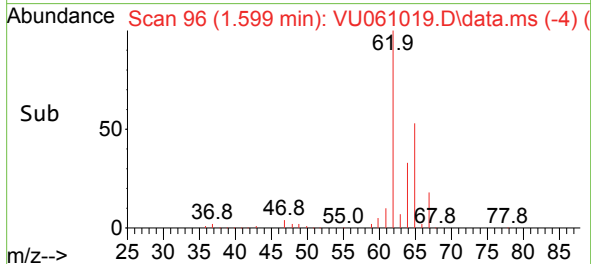
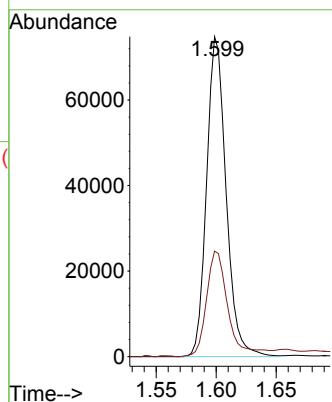
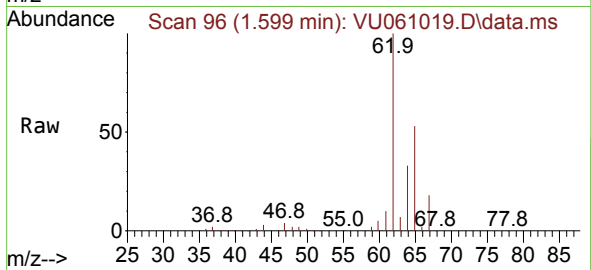
ClientSampleId :

Tgt Ion: 62 Resp: 84633

Ion Ratio Lower Upper

62 100

64 33.0 24.0 44.6



#8

Chloroethane

Concen: 0.267 ug/L

RT: 1.927 min Scan# 198

Delta R.T. -0.006 min

Lab File: VU061019.D

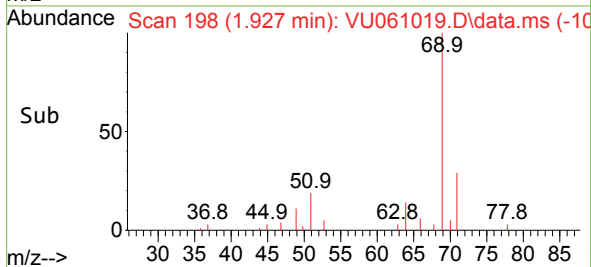
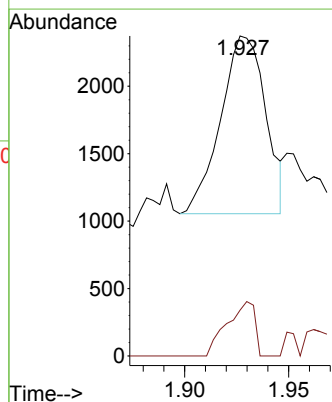
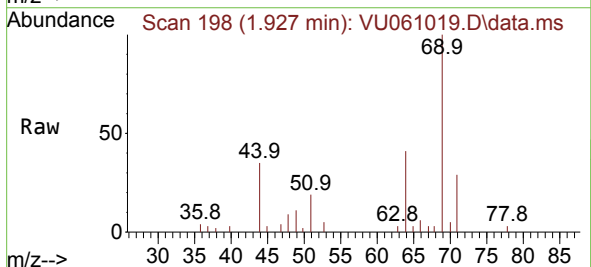
Acq: 26 Sep 2024 14:41

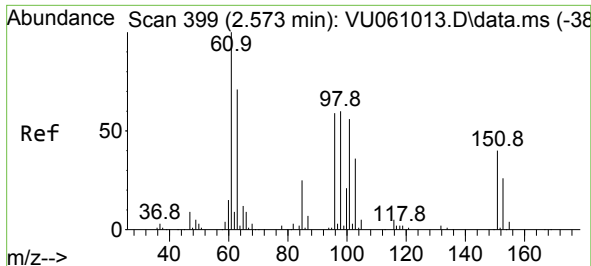
Tgt Ion: 64 Resp: 1988

Ion Ratio Lower Upper

64 100

66 14.3 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.599 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

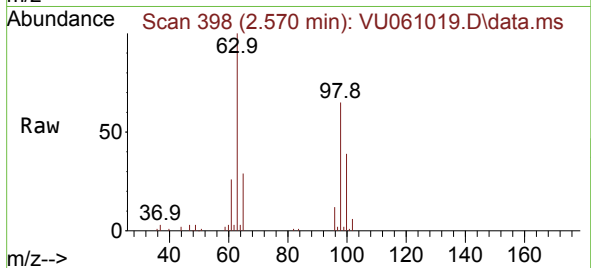
Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Instrument :

MSVOA_U

ClientSampleId :



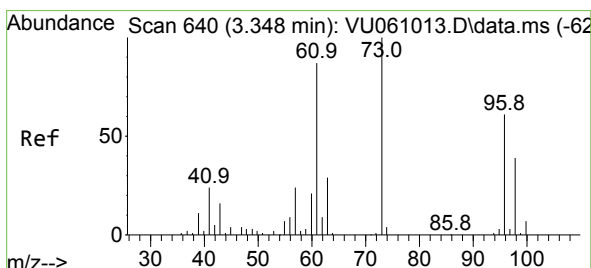
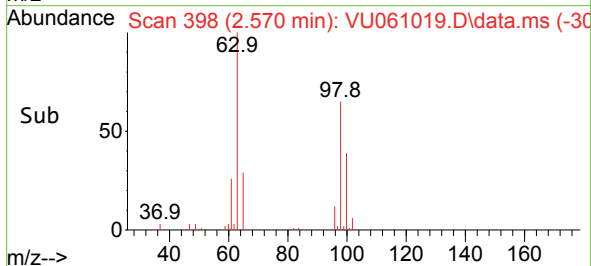
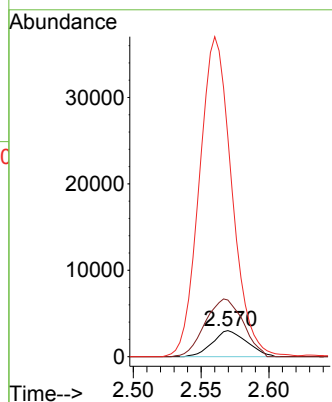
Tgt Ion: 96 Resp: 5325

Ion Ratio Lower Upper

96 100

61 216.7 120.7 224.1

63 839.4 90.0 167.2#



#18

trans-1,2-Dichloroethene

Concen: 0.974 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

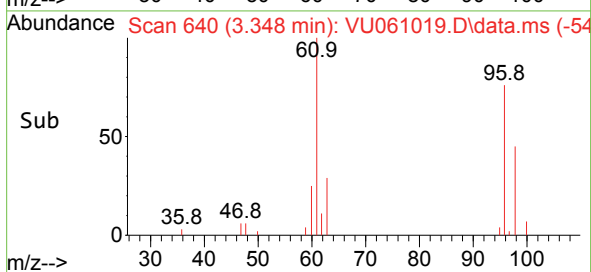
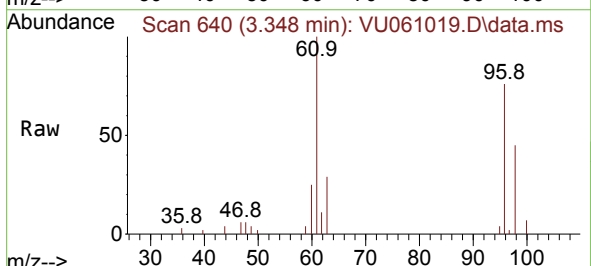
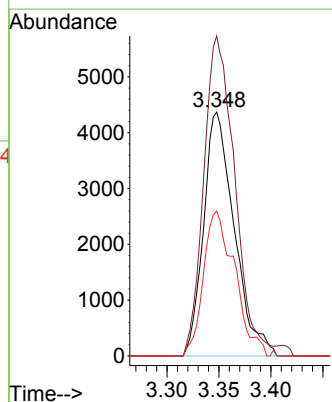
Tgt Ion: 96 Resp: 8976

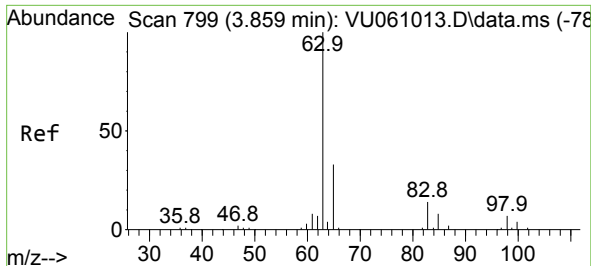
Ion Ratio Lower Upper

96 100

61 127.2 97.2 180.6

98 57.6 43.3 80.5





#19

1,1-Dichloroethane

Concen: 27.497 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Instrument :

MSVOA_U

ClientSampleId :

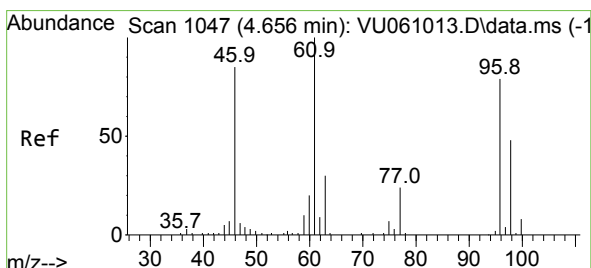
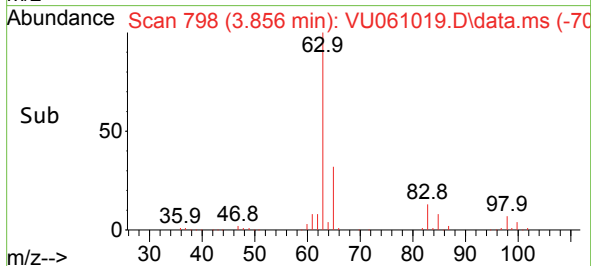
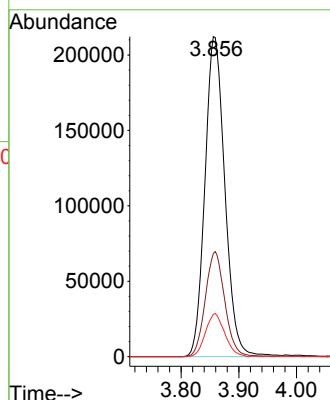
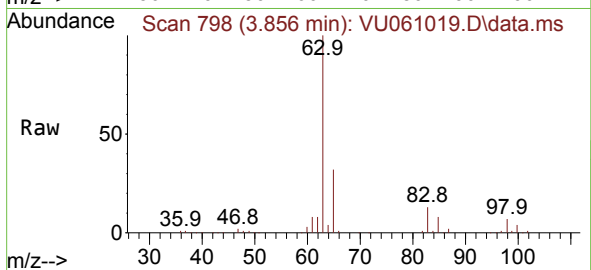
Tgt Ion: 63 Resp: 508977

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.8

83 13.2 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 29.736 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

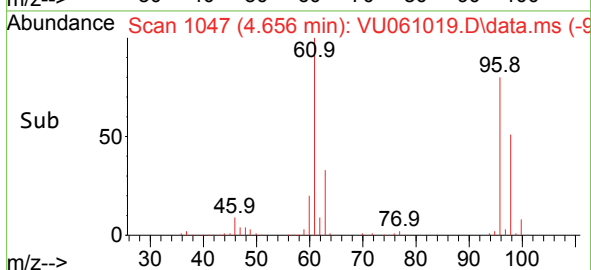
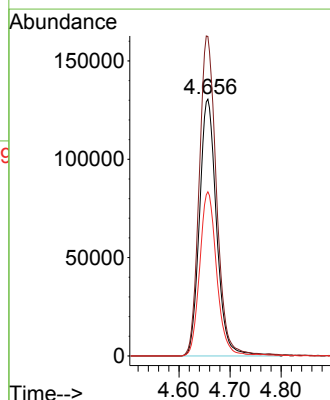
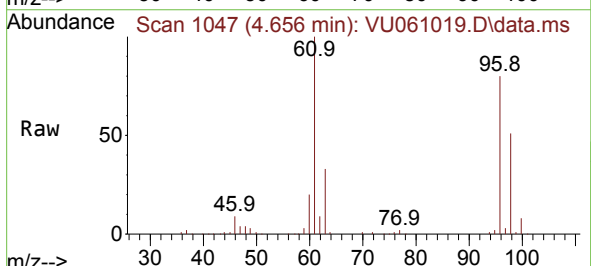
Tgt Ion: 96 Resp: 303415

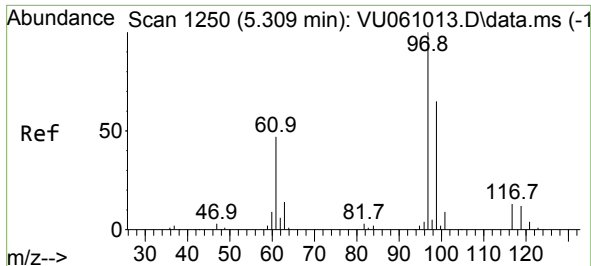
Ion Ratio Lower Upper

96 100

61 124.4 89.7 166.5

98 63.9 45.1 83.9





#29

1,1,1-Trichloroethane

Concen: 6.662 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Instrument :

MSVOA_U

ClientSampleId :

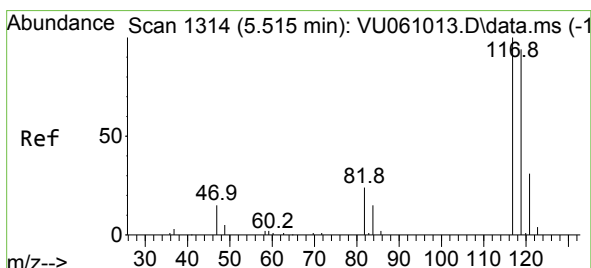
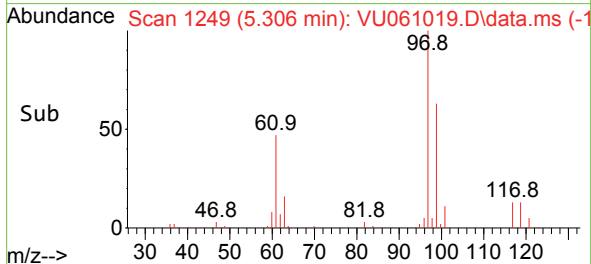
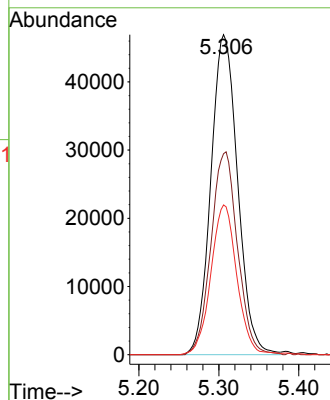
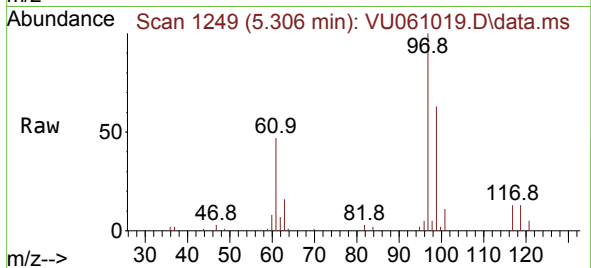
Tgt Ion: 97 Resp: 109253

Ion Ratio Lower Upper

97 100

99 62.9 50.5 75.7

61 45.3 34.4 51.6



#31

Carbon tetrachloride

Concen: 0.944 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.209 min

Lab File: VU061019.D

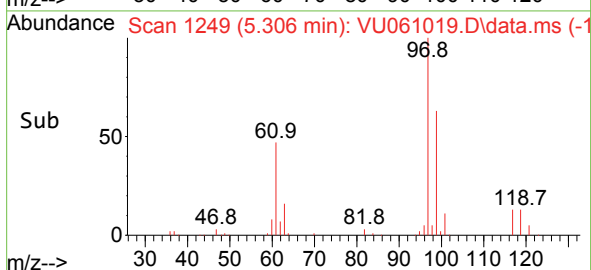
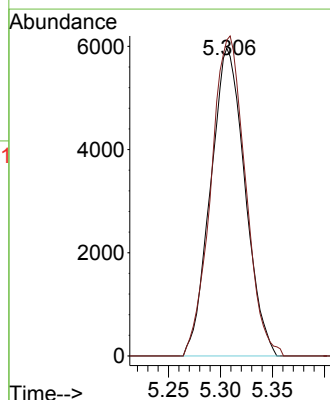
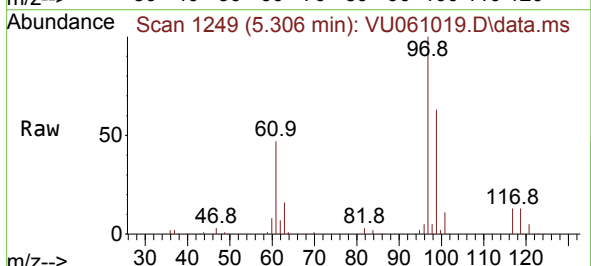
Acq: 26 Sep 2024 14:41

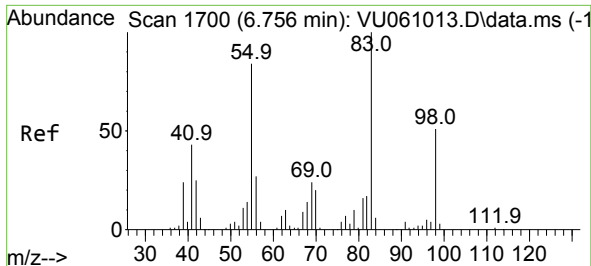
Tgt Ion: 117 Resp: 13704

Ion Ratio Lower Upper

117 100

119 103.9 76.3 114.5





#35

Methylcyclohexane

Concen: 0.925 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.077 min

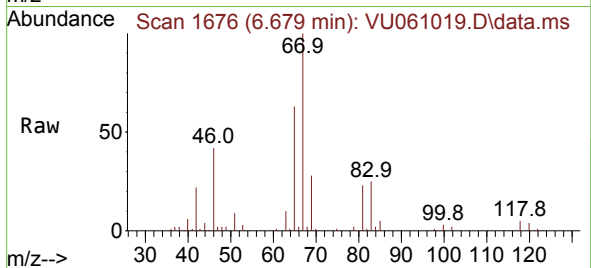
Lab File: VU061019.D

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ClientSampleId :



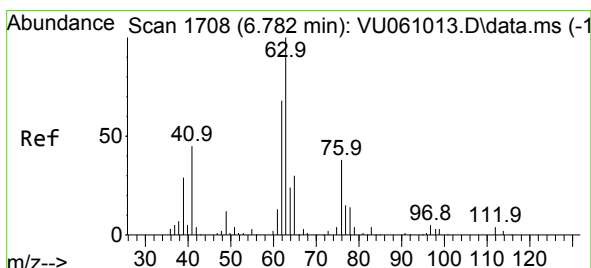
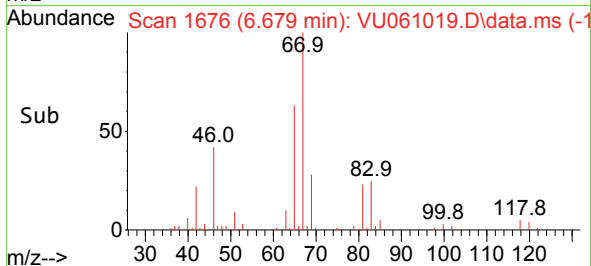
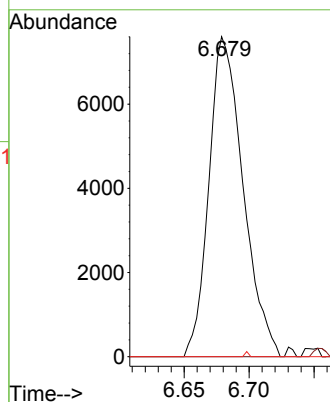
Tgt Ion: 83 Resp: 13893

Ion Ratio Lower Upper

83 100

55 0.9 62.6 94.0#

98 0.2 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.518 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU061019.D

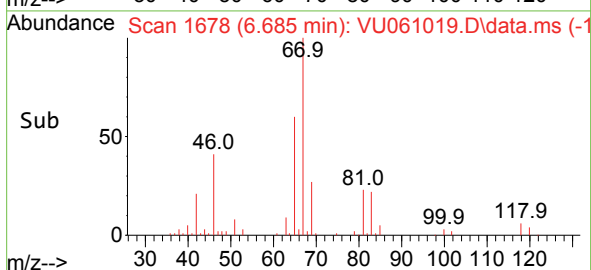
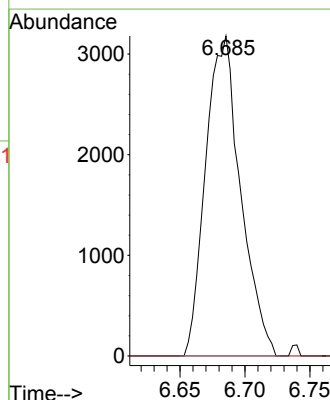
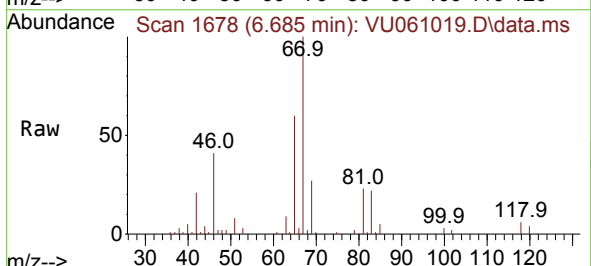
Acq: 26 Sep 2024 14:41

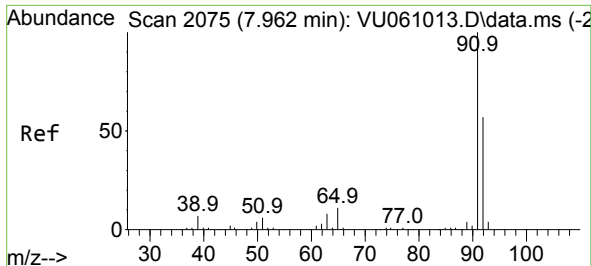
Tgt Ion: 63 Resp: 5960

Ion Ratio Lower Upper

63 100

112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.140 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Instrument :

MSVOA_U

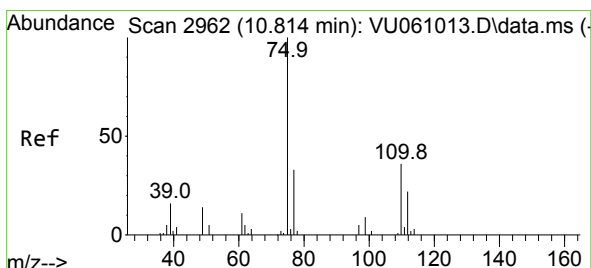
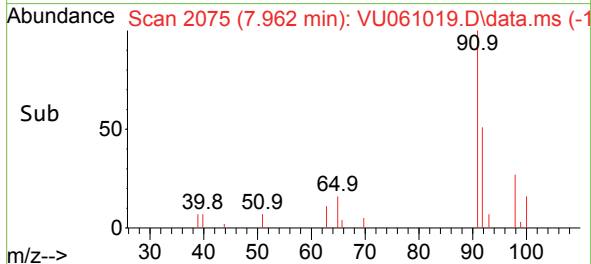
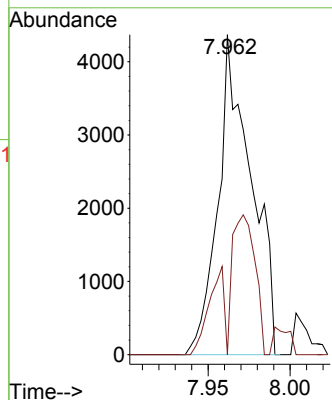
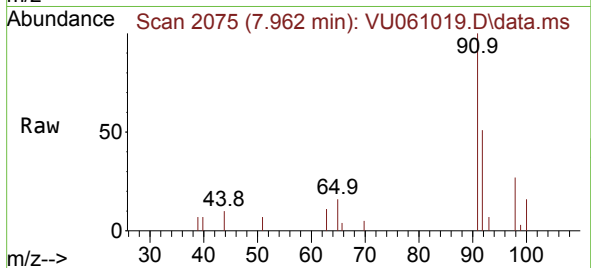
ClientSampleId :

Tgt Ion: 91 Resp: 6121

Ion Ratio Lower Upper

91 100

92 0.0 40.5 75.3#



#61

1,2,3-Trichloropropane

Concen: 1.216 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU061019.D

Acq: 26 Sep 2024 14:41

Tgt Ion: 75 Resp: 6518

Ion Ratio Lower Upper

75 100

110 1.1 28.6 43.0#

77 33.6 26.3 39.5

