

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060952.D
 Acq On : 20 Sep 2024 18:51
 Operator : MD/SY
 Sample : P3987-16DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:44:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

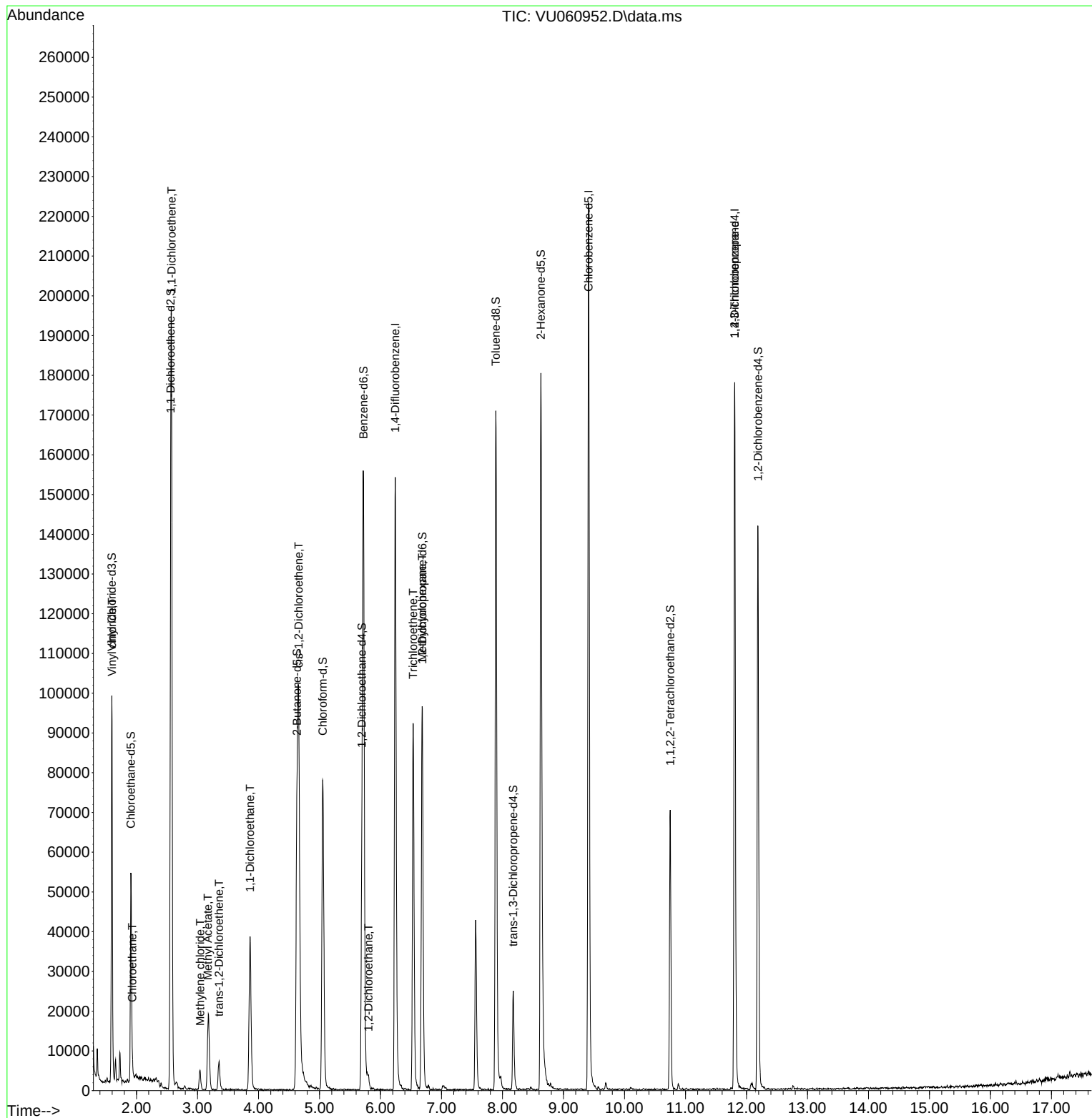
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127964	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	133792	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	52202	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	49459	4.297	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.907	69	38419	4.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.560	65	17979	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.631	46	83590	45.240	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.480%
24) Chloroform-d	5.052	84	78835	4.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.695	65	39169	4.657	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.721	84	150521	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.685	67	49855	4.493	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.891	98	123310	3.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	8.177	79	15936	3.990	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.627	63	65313	41.458	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	36870	4.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	40783	4.649	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	22179	2.008	ug/L	97
8) Chloroethane	1.930	64	2592	0.384	ug/L	97
12) 1,1-Dichloroethene	2.573	96	49609	6.163	ug/L	92
15) Methyl Acetate	3.171	43	1480	0.492	ug/L #	52
16) Methylene chloride	3.042	84	2604	0.279	ug/L	87
18) trans-1,2-Dichloroethene	3.354	96	3564	0.427	ug/L	98
19) 1,1-Dichloroethane	3.862	63	44376	2.650	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	42020	4.552	ug/L	96
27) 1,2-Dichloroethane	5.804	62	2561	0.253	ug/L #	72
34) Trichloroethene	6.534	95	33334	3.456	ug/L	97
35) Methylcyclohexane	6.682	83	11302	0.854	ug/L #	17
61) 1,2,3-Trichloropropane	11.807	75	5923	1.216	ug/L #	67

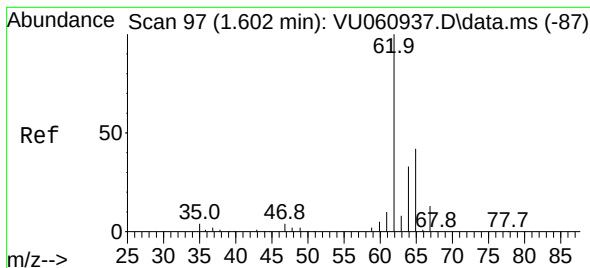
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.008 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU060952.D

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Instrument :

MSVOA_U

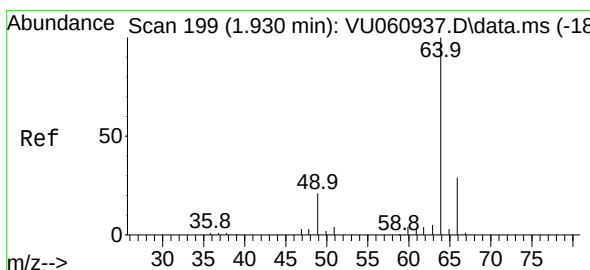
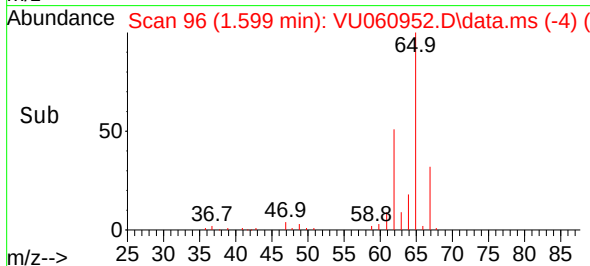
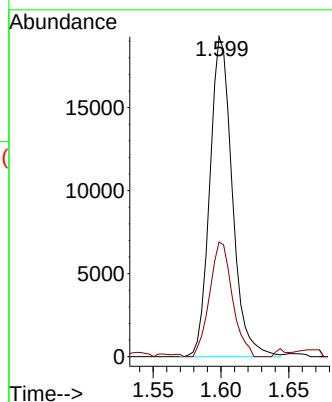
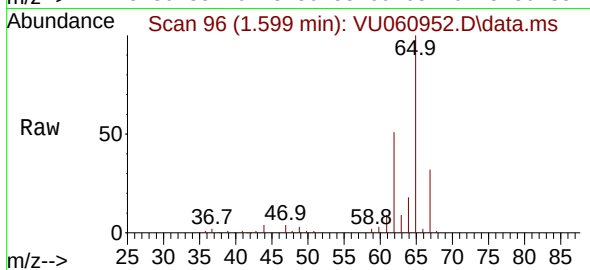
ClientSampleId :

Tgt Ion: 62 Resp: 22179

Ion Ratio Lower Upper

62 100

64 35.8 24.0 44.6



#8

Chloroethane

Concen: 0.384 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU060952.D

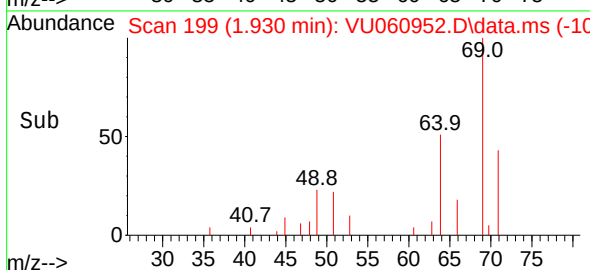
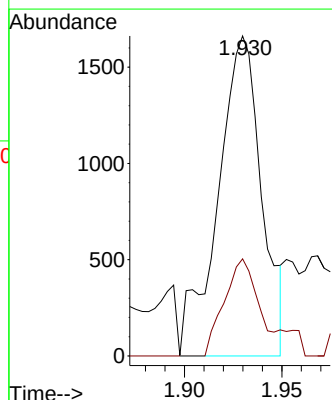
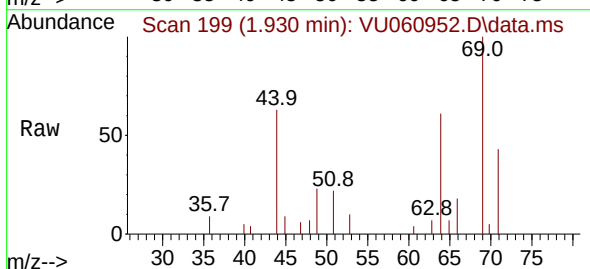
Acq: 20 Sep 2024 18:51

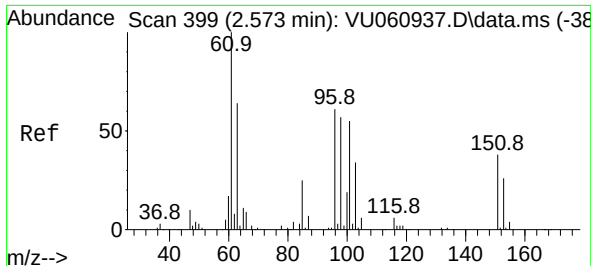
Tgt Ion: 64 Resp: 2592

Ion Ratio Lower Upper

64 100

66 30.3 22.3 41.3





#12

1,1-Dichloroethene

Concen: 6.163 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

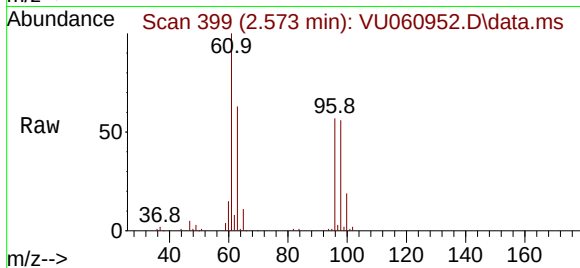
Lab File: VU060952.D

Acq: 20 Sep 2024 18:51

Instrument :

MSVOA_U

ClientSampleId :



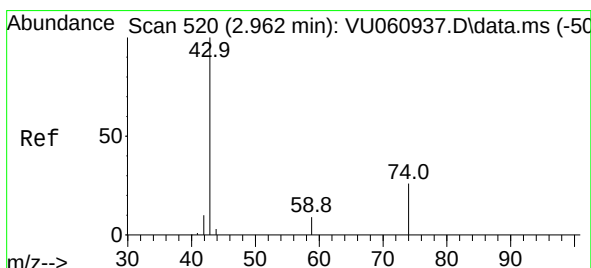
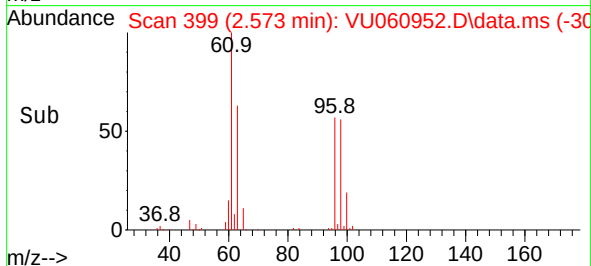
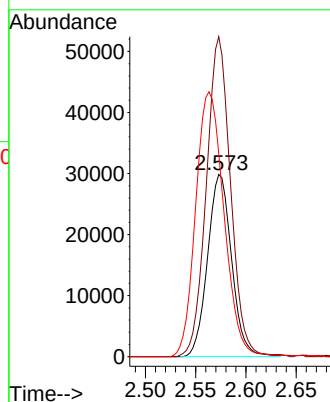
Tgt Ion: 96 Resp: 49609

Ion Ratio Lower Upper

96 100

61 175.6 120.7 224.1

63 111.5 90.0 167.2



#15

Methyl Acetate

Concen: 0.492 ug/L

RT: 3.171 min Scan# 585

Delta R.T. 0.209 min

Lab File: VU060952.D

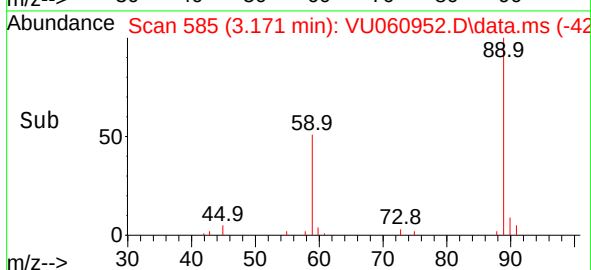
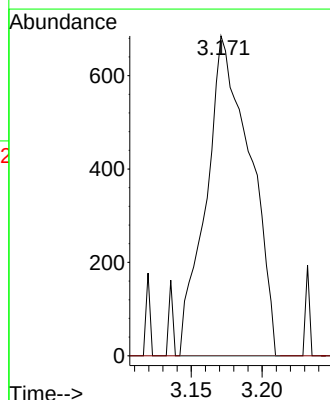
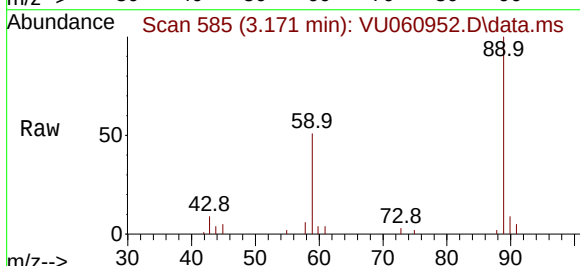
Acq: 20 Sep 2024 18:51

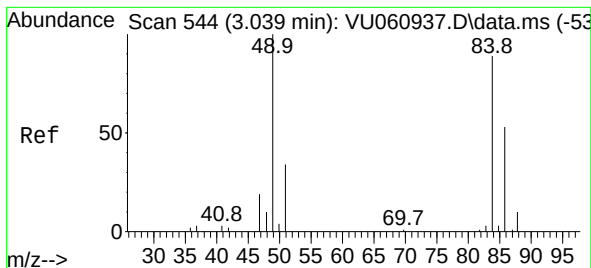
Tgt Ion: 43 Resp: 1480

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#16

Methylene chloride

Concen: 0.279 ug/L

RT: 3.042 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU060952.D

Acq: 20 Sep 2024 18:51

Instrument :

MSVOA_U

ClientSampleId :

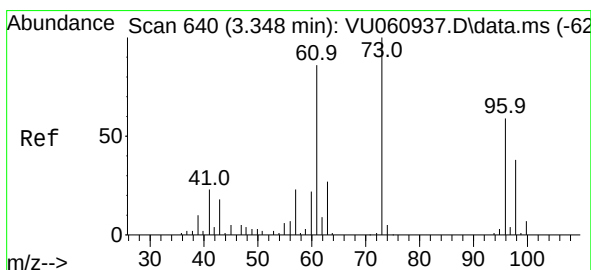
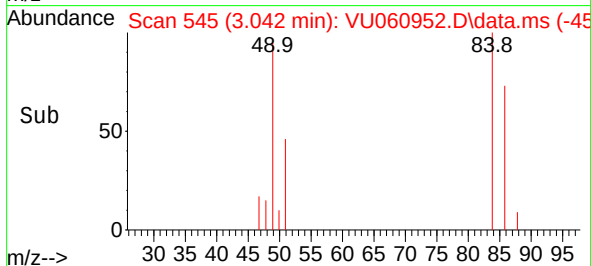
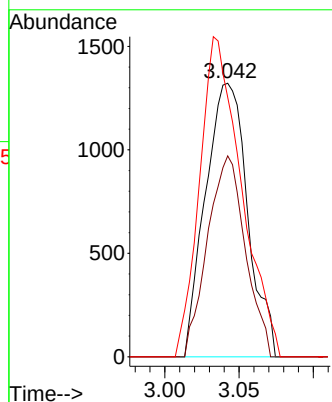
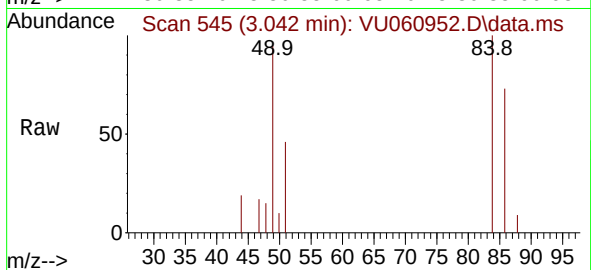
Tgt Ion: 84 Resp: 2604

Ion Ratio Lower Upper

84 100

86 73.4 47.3 87.8

49 94.9 78.7 146.1



#18

trans-1,2-Dichloroethene

Concen: 0.427 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU060952.D

Acq: 20 Sep 2024 18:51

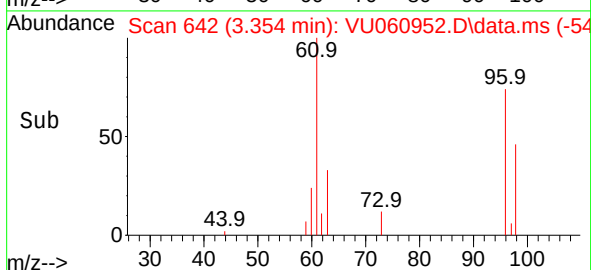
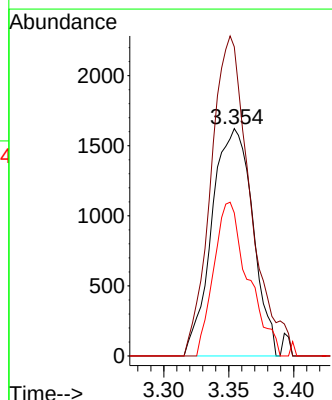
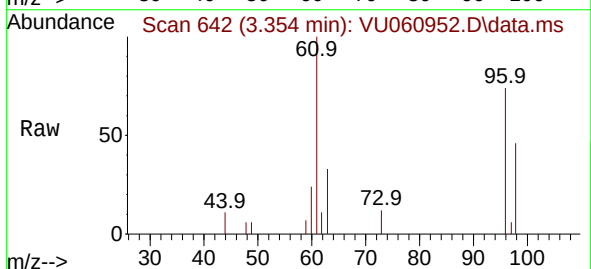
Tgt Ion: 96 Resp: 3564

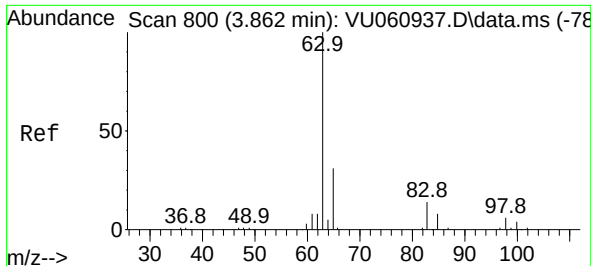
Ion Ratio Lower Upper

96 100

61 135.9 97.2 180.6

98 62.9 43.3 80.5

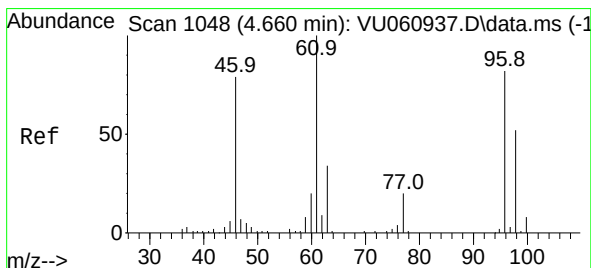
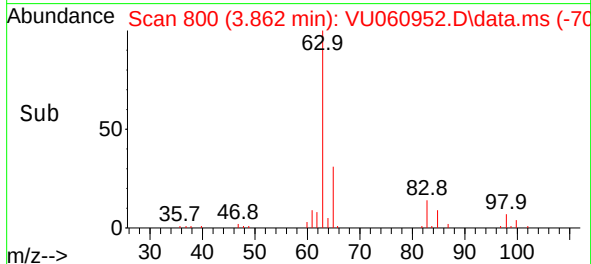
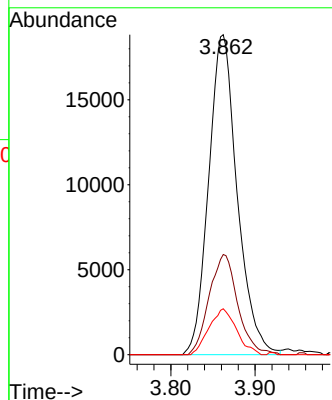
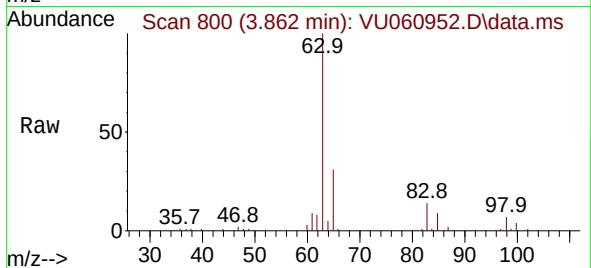




#19
1,1-Dichloroethane
Concen: 2.650 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU060952.D
Acq: 20 Sep 2024 18:51

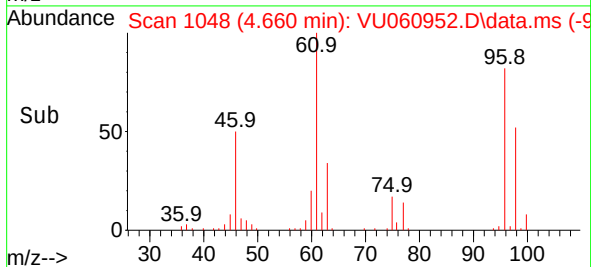
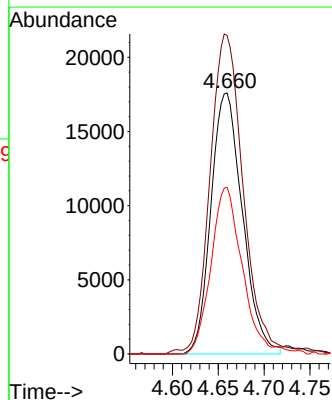
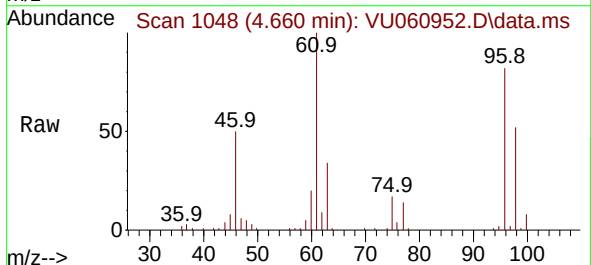
Instrument :
MSVOA_U
ClientSampleId :

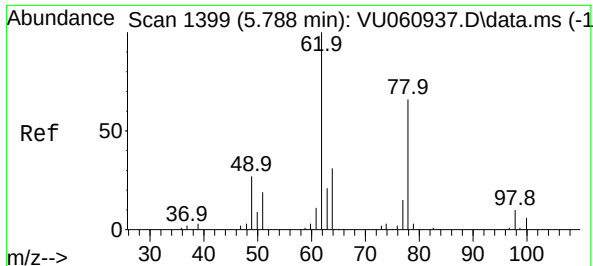
Tgt Ion: 63 Resp: 44376
Ion Ratio Lower Upper
63 100
65 32.6 23.0 42.8
83 14.4 9.0 16.6



#22
cis-1,2-Dichloroethene
Concen: 4.552 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060952.D
Acq: 20 Sep 2024 18:51

Tgt Ion: 96 Resp: 42020
Ion Ratio Lower Upper
96 100
61 122.1 89.7 166.5
98 63.9 45.1 83.9

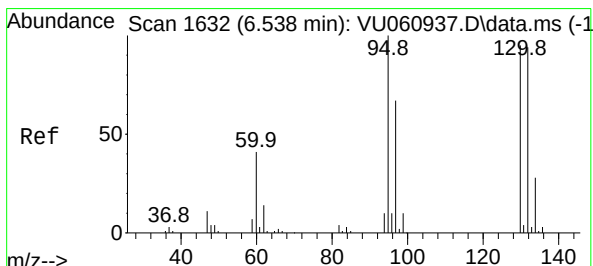
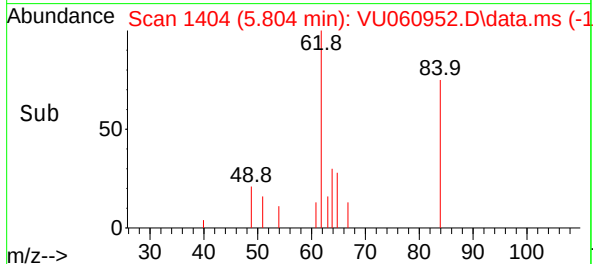
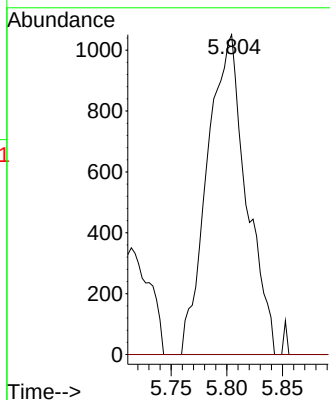
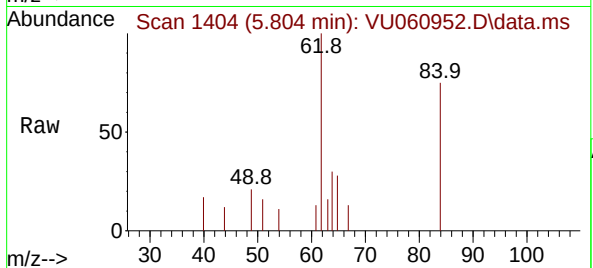




#27
1,2-Dichloroethane
Concen: 0.253 ug/L
RT: 5.804 min Scan# 1404
Delta R.T. 0.016 min
Lab File: VU060952.D
Acq: 20 Sep 2024 18:51

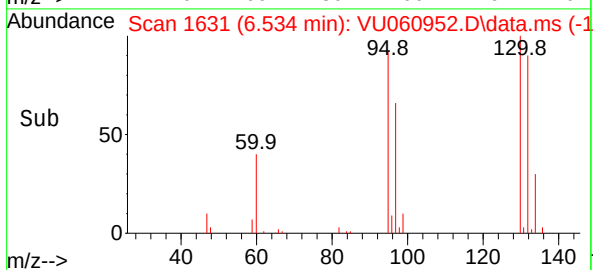
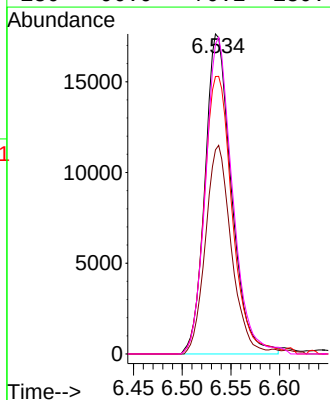
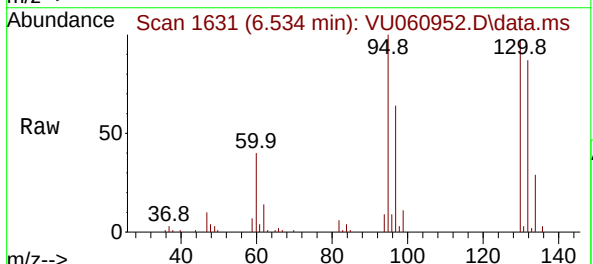
Instrument :
MSVOA_U
ClientSampleId :

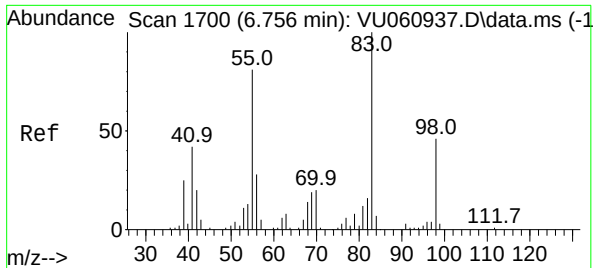
Tgt Ion: 62 Resp: 2561
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#34
Trichloroethene
Concen: 3.456 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU060952.D
Acq: 20 Sep 2024 18:51

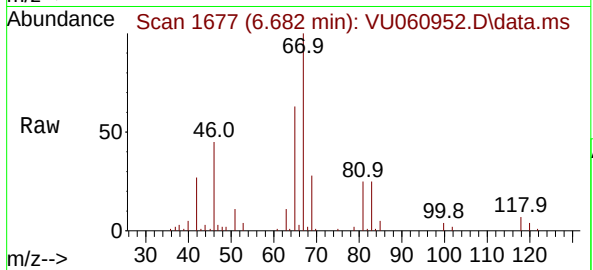
Tgt Ion: 95 Resp: 33334
Ion Ratio Lower Upper
95 100
97 63.8 44.9 83.5
132 86.7 63.5 117.9
130 96.9 70.2 130.4



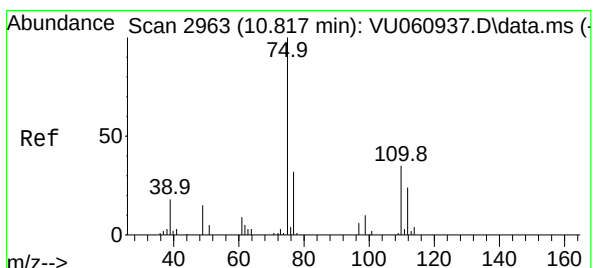
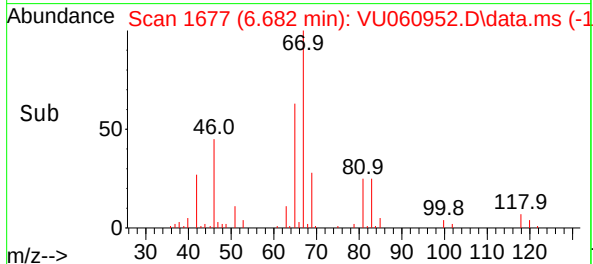
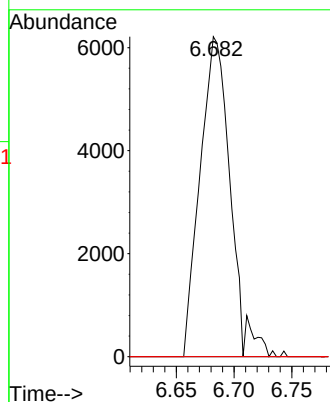


#35
Methylcyclohexane
Concen: 0.854 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU060952.D
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Tgt Ion: 83 Resp: 11302
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 37.6 56.4#



#61
1,2,3-Trichloropropane
Concen: 1.216 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU060952.D
Acq: 20 Sep 2024 18:51

Tgt Ion: 75 Resp: 5923
Ion Ratio Lower Upper
75 100
110 0.0 28.6 43.0#
77 34.7 26.3 39.5

