

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052964.D
 Acq On : 05 Feb 2023 19:24
 Operator : JC/MD
 Sample : 01440-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COM14

Quant Time: Feb 05 22:00:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

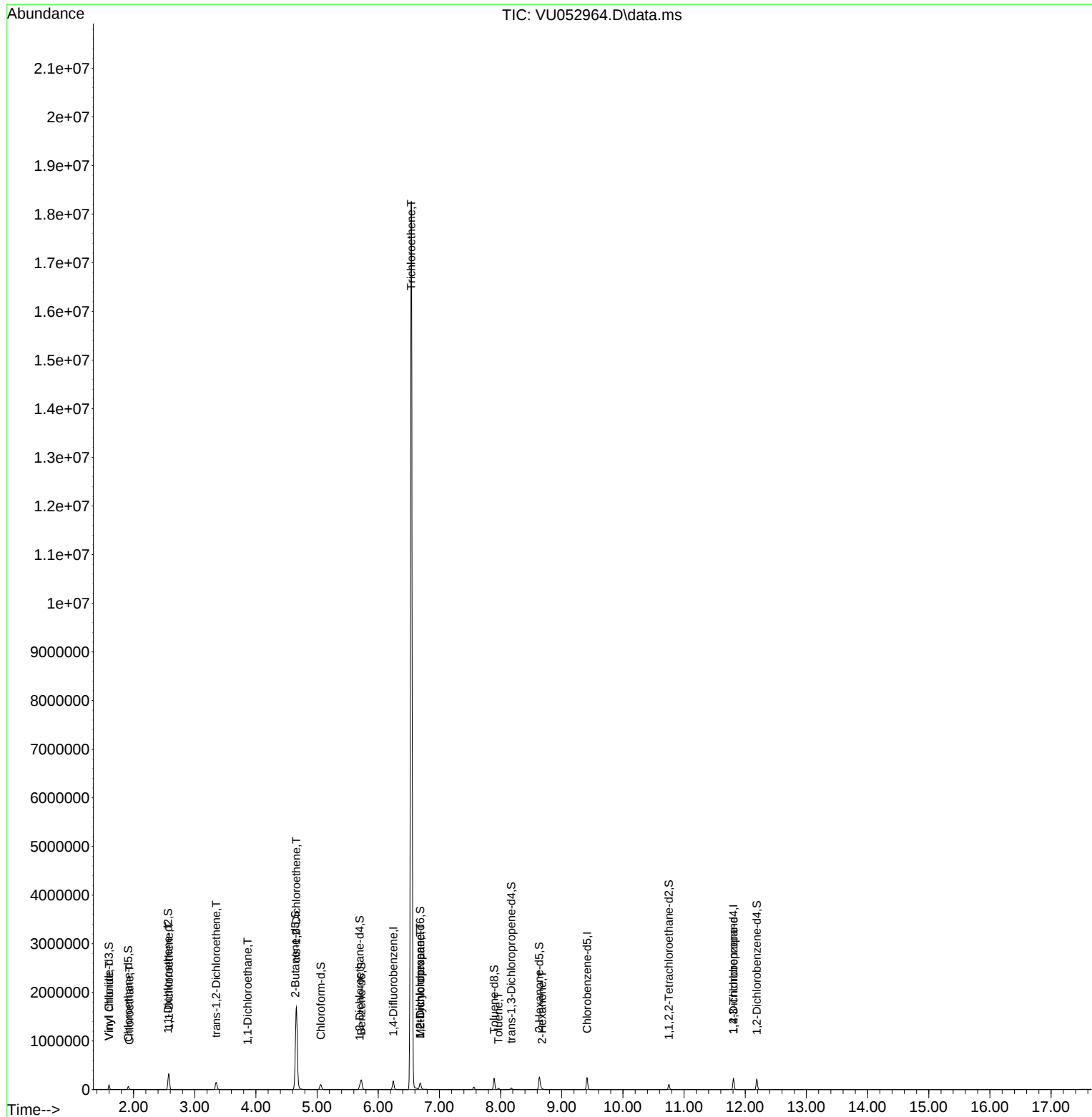
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	150312	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	146428	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65215	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	42937	3.251	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.000%
7) Chloroethane-d5	1.912	69	48575	4.515	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.565	65	22246	3.825	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.645	46	133971	37.943	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.880%
24) Chloroform-d	5.060	84	102022	4.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.697	65	52317	4.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.722	84	196070	4.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.687	67	62059	3.924	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.400%
41) Toluene-d8	7.893	98	159436	3.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	8.176	79	20456	3.478	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.600%
46) 2-Hexanone-d5	8.632	63	91788	37.569	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52716	4.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	60093	5.062	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	33018	1.760	ug/L	99
8) Chloroethane	1.932	64	3962	0.347	ug/L	99
12) 1,1-Dichloroethene	2.578	96	92653	7.110	ug/L	79
18) trans-1,2-Dichloroethene	3.350	96	67501	5.079	ug/L	83
19) 1,1-Dichloroethane	3.864	63	2612	0.095	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	909249	63.706	ug/L	91
34) Trichloroethene	6.539	95	6275650	457.758	ug/L	96
35) Methylcyclohexane	6.687	83	15300	0.676	ug/L #	15
37) 1,2-Dichloropropane	6.687	63	5897	0.379	ug/L #	90
42) Toluene	7.967	91	21259	0.368	ug/L	96
48) 2-Hexanone	8.677	43	6087	0.935	ug/L #	76
61) 1,2,3-Trichloropropane	11.806	75	7286	0.961	ug/L #	65

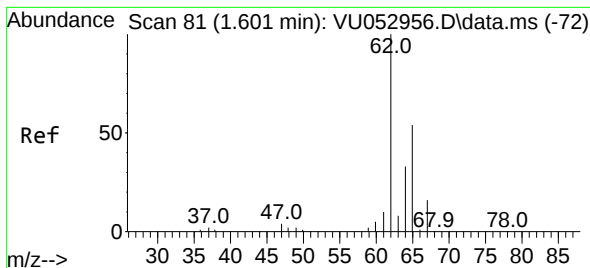
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.760 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Instrument :

MSVOA_U

ClientSampleId :

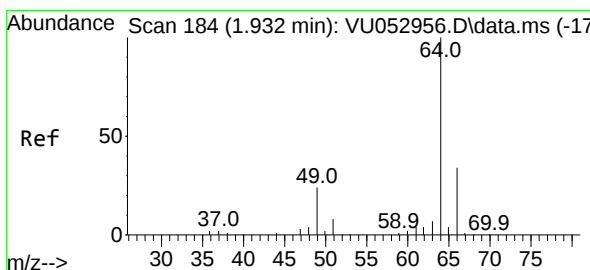
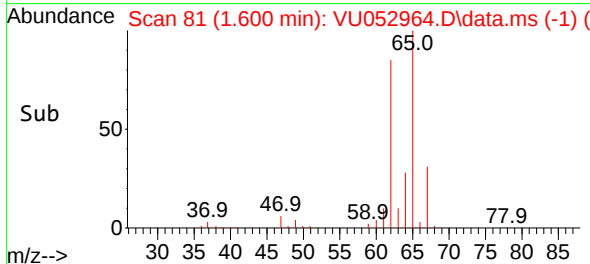
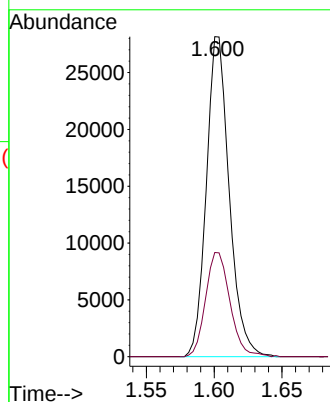
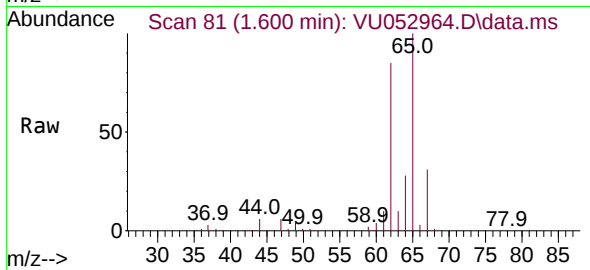
COM14

Tgt Ion: 62 Resp: 33018

Ion Ratio Lower Upper

62 100

64 32.6 22.3 41.3



#8

Chloroethane

Concen: 0.347 ug/L

RT: 1.932 min Scan# 184

Delta R.T. -0.000 min

Lab File: VU052964.D

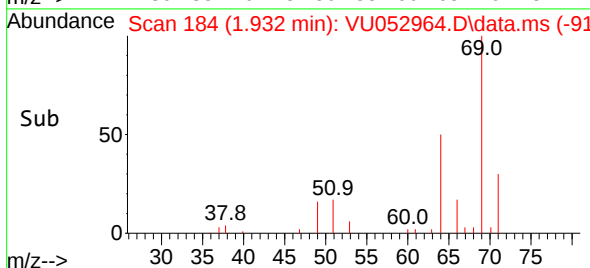
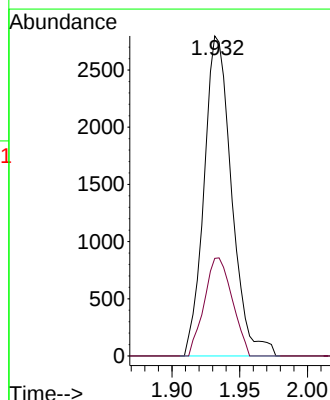
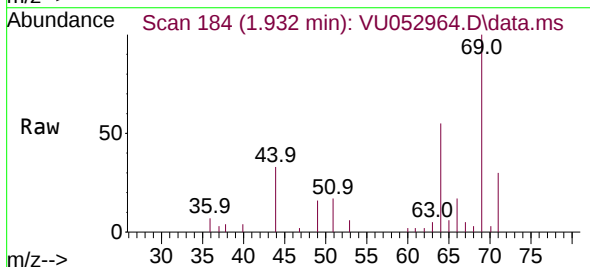
Acq: 05 Feb 2023 19:24

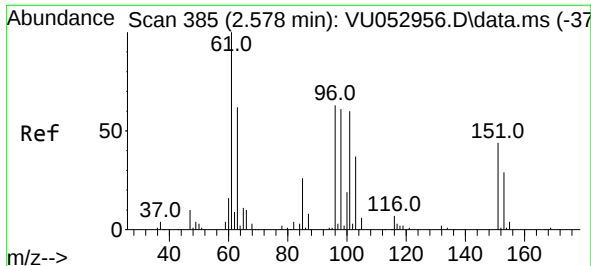
Tgt Ion: 64 Resp: 3962

Ion Ratio Lower Upper

64 100

66 30.5 21.6 40.2





#12

1,1-Dichloroethene

Concen: 7.110 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Instrument :

MSVOA_U

ClientSampleId :

COM14

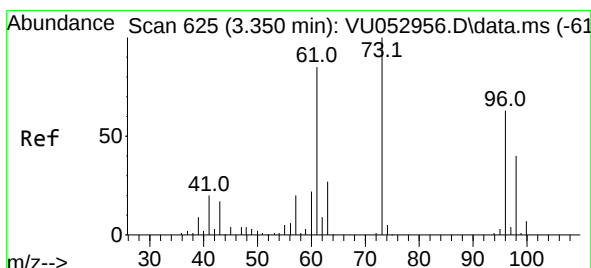
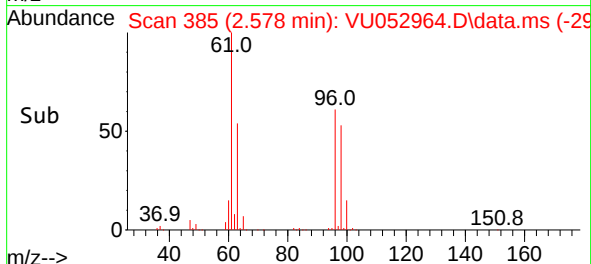
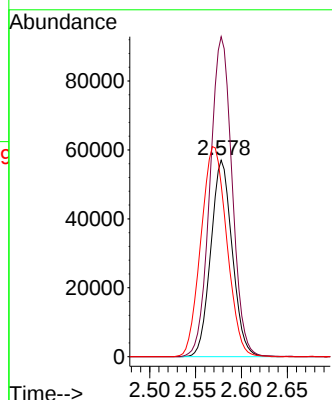
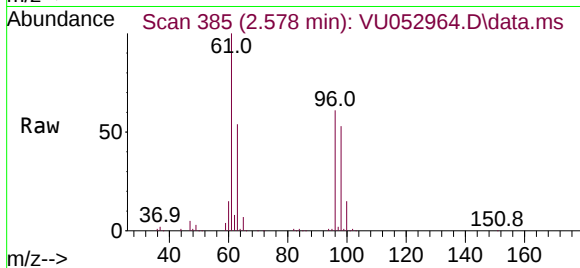
Tgt Ion: 96 Resp: 92653

Ion Ratio Lower Upper

96 100

61 162.9 129.6 240.8

63 87.7 83.7 155.5



#18

trans-1,2-Dichloroethene

Concen: 5.079 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

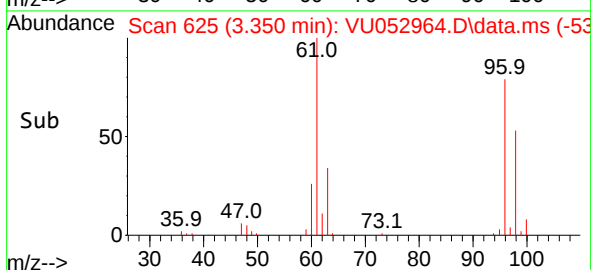
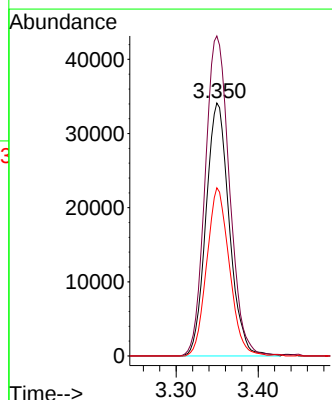
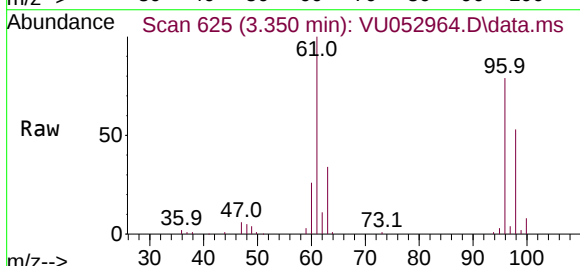
Tgt Ion: 96 Resp: 67501

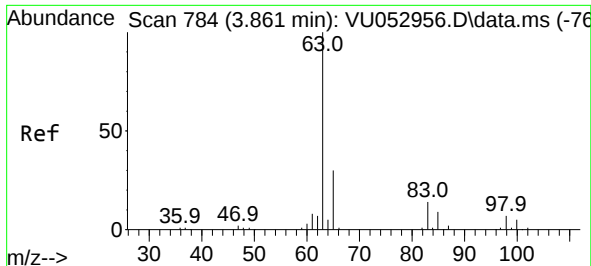
Ion Ratio Lower Upper

96 100

61 126.5 108.4 201.4

98 66.5 43.8 81.4





#19

1,1-Dichloroethane

Concen: 0.095 ug/L

RT: 3.864 min Scan# 784

Delta R.T. 0.003 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Instrument :

MSVOA_U

ClientSampleId :

COM14

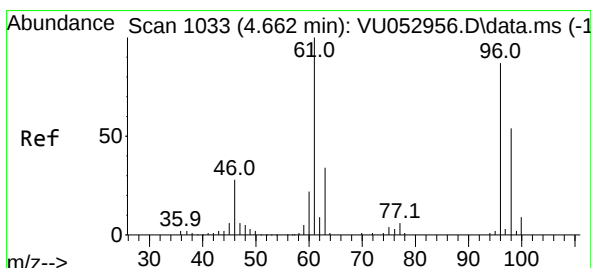
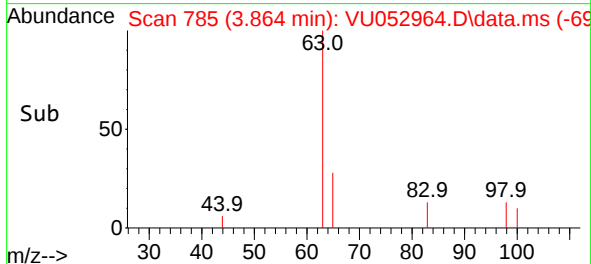
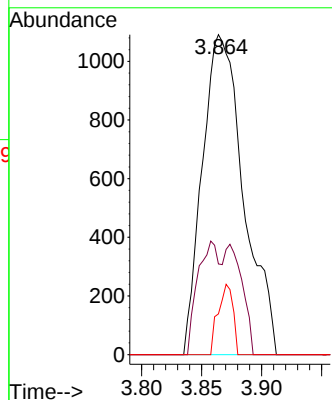
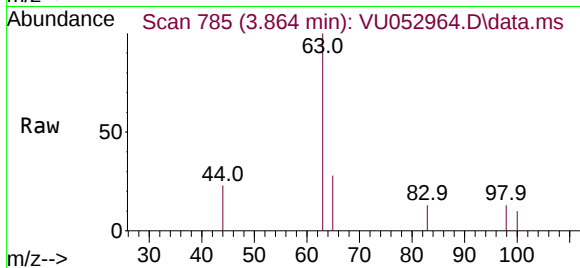
Tgt Ion: 63 Resp: 2612

Ion Ratio Lower Upper

63 100

65 28.3 22.0 41.0

83 12.7 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 63.706 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

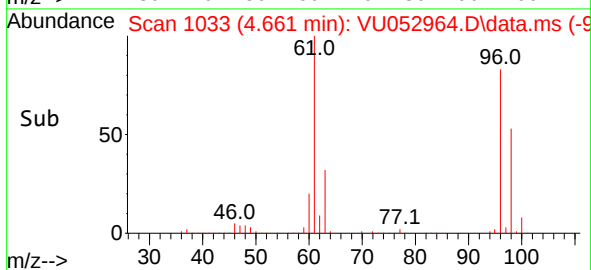
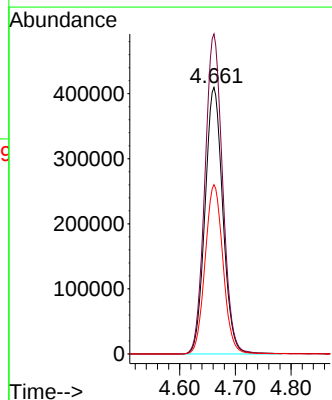
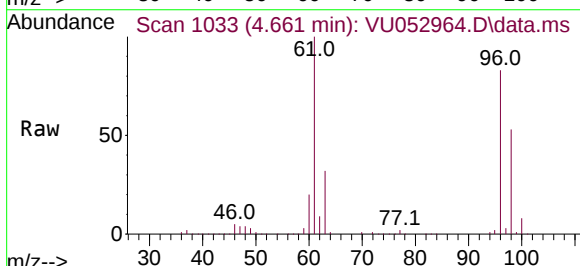
Tgt Ion: 96 Resp: 909249

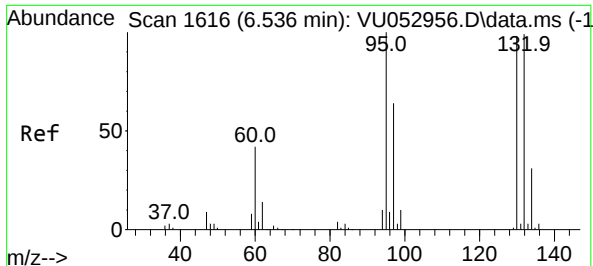
Ion Ratio Lower Upper

96 100

61 120.1 94.6 175.8

98 63.5 43.3 80.3

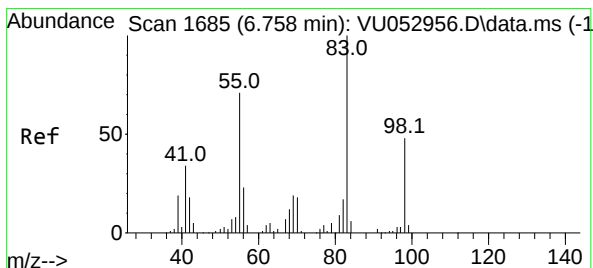
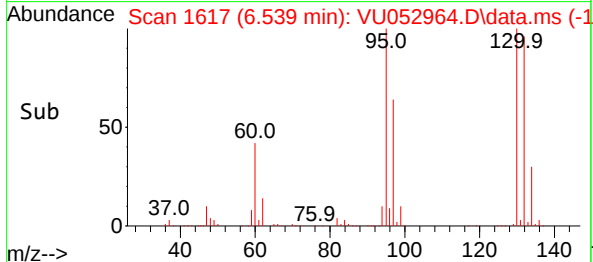
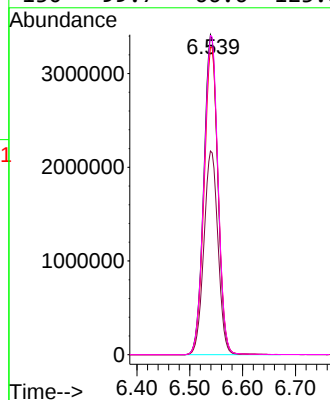
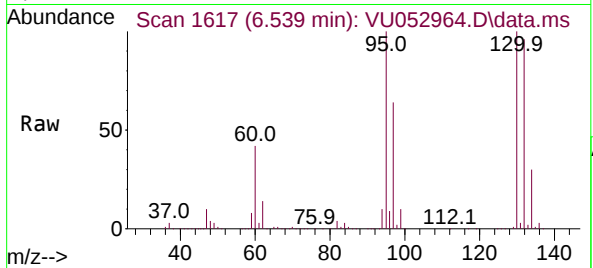




#34
Trichloroethene
Concen: 457.758 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052964.D
Acq: 05 Feb 2023 19:24

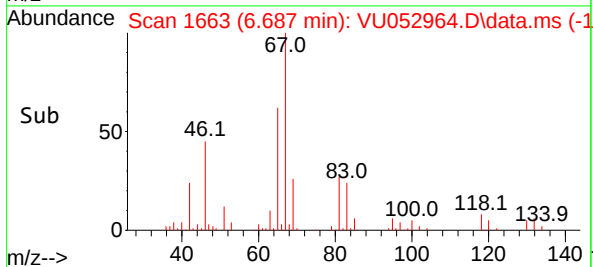
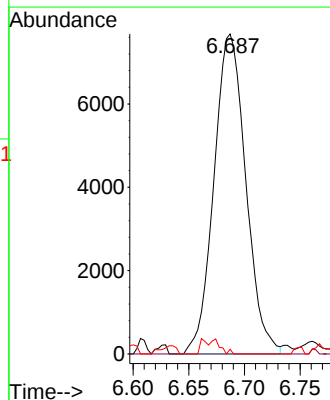
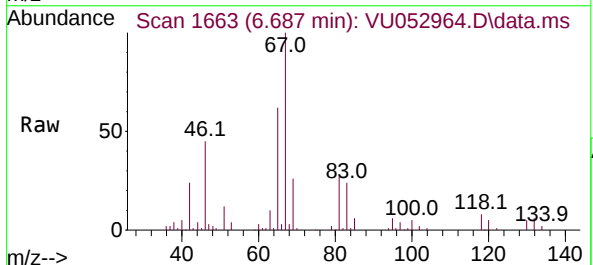
Instrument :
MSVOA_U
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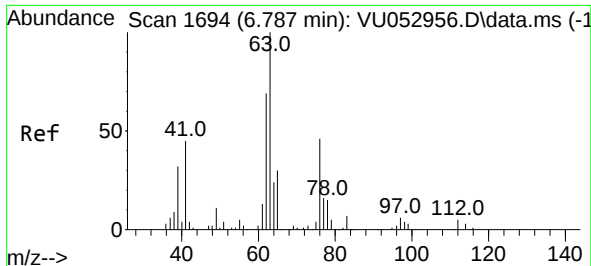
Tgt Ion: 95 Resp: 6275650
Ion Ratio Lower Upper
95 100
97 63.7 46.0 85.4
132 96.1 64.0 118.8
130 99.7 66.6 123.8



#35
Methylcyclohexane
Concen: 0.676 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU052964.D
Acq: 05 Feb 2023 19:24

Tgt Ion: 83 Resp: 15300
Ion Ratio Lower Upper
83 100
55 0.3 67.6 101.4#
98 0.0 37.1 55.7#





#37

1,2-Dichloropropane

Concen: 0.379 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Instrument :

MSVOA_U

ClientSampleId :

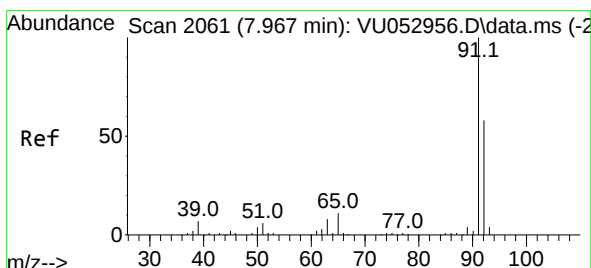
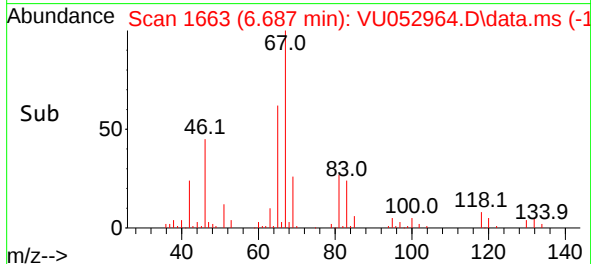
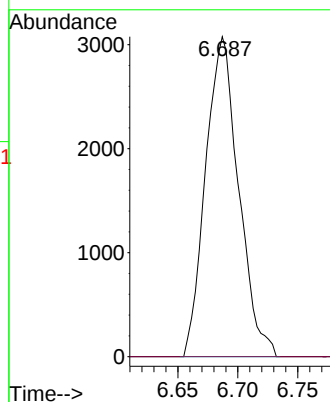
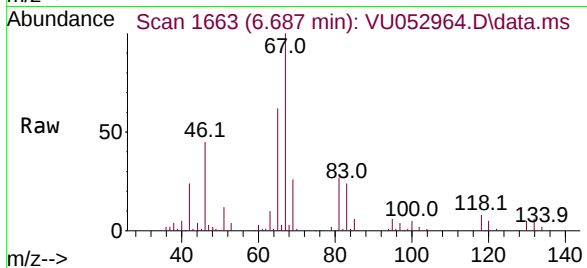
COM14

Tgt Ion: 63 Resp: 5897

Ion Ratio Lower Upper

63 100

112 0.3 2.9 4.3#



#42

Toluene

Concen: 0.368 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052964.D

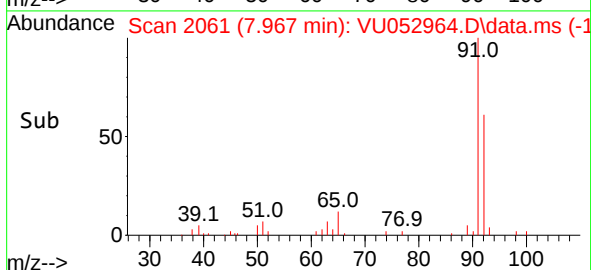
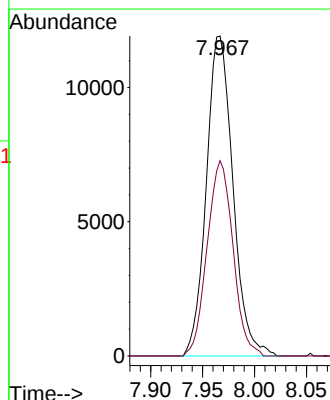
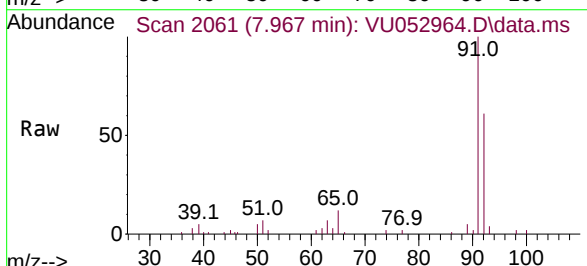
Acq: 05 Feb 2023 19:24

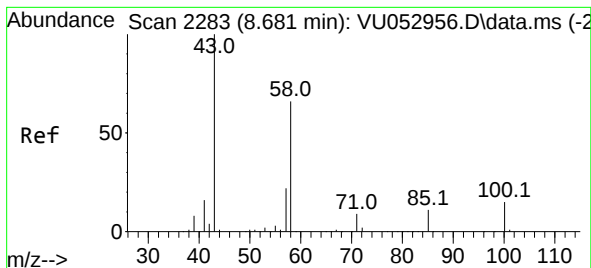
Tgt Ion: 91 Resp: 21259

Ion Ratio Lower Upper

91 100

92 61.0 40.5 75.1





#48

2-Hexanone

Concen: 0.935 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Instrument :

MSVOA_U

ClientSampleId :

COM14

Tgt Ion: 43 Resp: 6087

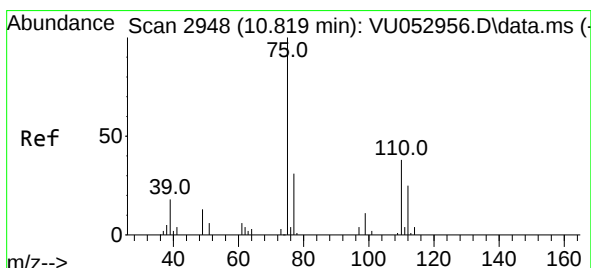
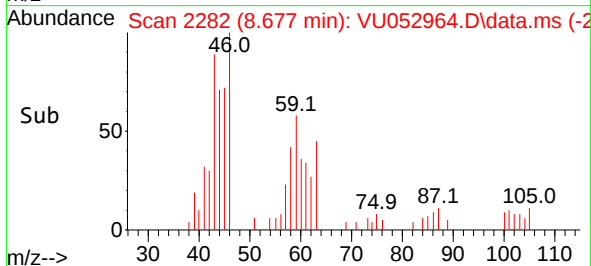
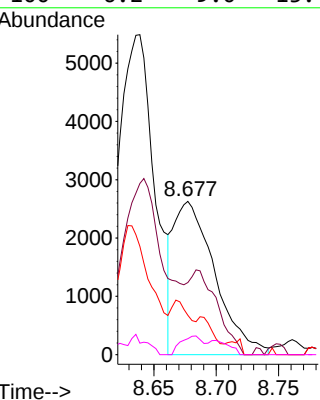
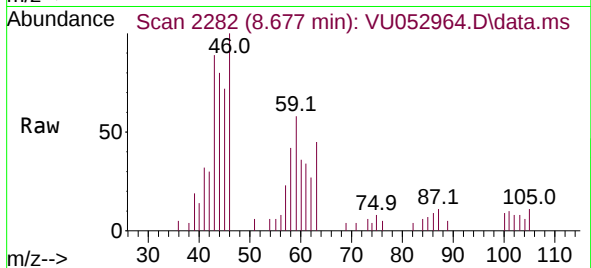
Ion Ratio Lower Upper

43 100

58 38.8 45.1 67.7#

57 5.8 15.1 22.7#

100 6.2 9.0 13.4#



#61

1,2,3-Trichloropropane

Concen: 0.961 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU052964.D

Acq: 05 Feb 2023 19:24

Tgt Ion: 75 Resp: 7286

Ion Ratio Lower Upper

75 100

110 1.3 27.2 40.8#

77 24.3 24.0 36.0

