

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122823\
 Data File : VU057341.D
 Acq On : 28 Dec 2023 18:21
 Operator : MD/SY
 Sample : 06021-12DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 21:39:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 21:37:03 2023
 Response via : Initial Calibration

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

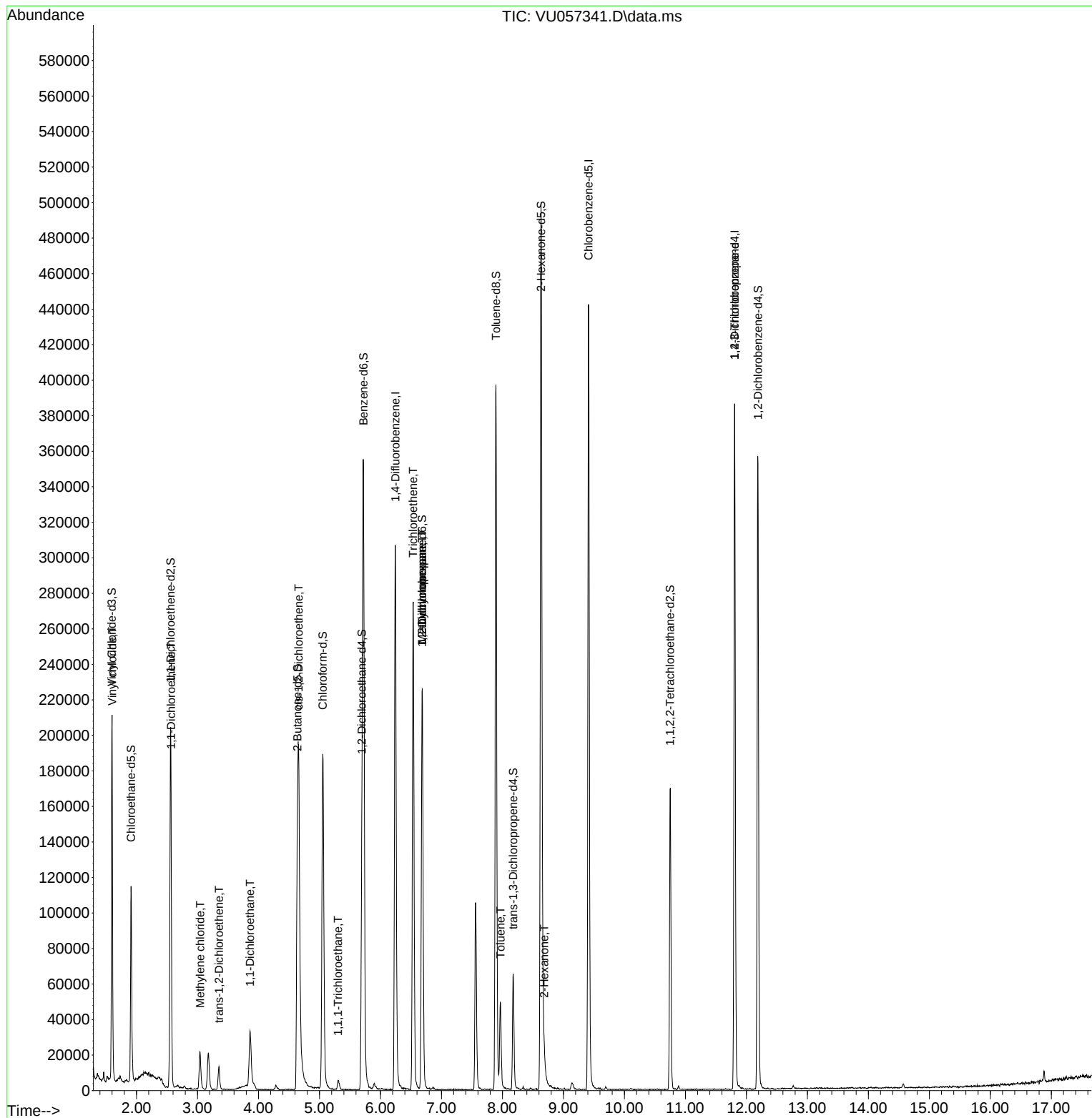
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	246080	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245086	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	99532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	95636	4.521	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.911	69	84820	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.560	65	38873	4.617	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.640	46	223206	46.585	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.160%
24) Chloroform-d	5.055	84	181063	4.813	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.695	65	92777	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.721	84	336229	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	113513	5.185	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.894	98	264466	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.177	79	39494	4.496	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.634	63	173190	43.532	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	84946	4.620	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	92502	5.104	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	60165	2.929	ug/L	97
12) 1,1-Dichloroethene	2.567	96	1987	0.124	ug/L #	1
16) Methylene chloride	3.042	84	11023	0.531	ug/L	88
18) trans-1,2-Dichloroethene	3.354	96	5486	0.344	ug/L	94
19) 1,1-Dichloroethane	3.862	63	35654	1.063	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	56483	3.062	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	3774	0.122	ug/L	96
34) Trichloroethene	6.537	95	100916	5.364	ug/L	96
35) Methylcyclohexane	6.685	83	26657	1.085	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	12426	0.633	ug/L #	89
42) Toluene	7.968	91	35643	0.469	ug/L	98
48) 2-Hexanone	8.685	43	5395	0.731	ug/L #	36
61) 1,2,3-Trichloropropane	11.807	75	12626	1.215	ug/L #	66

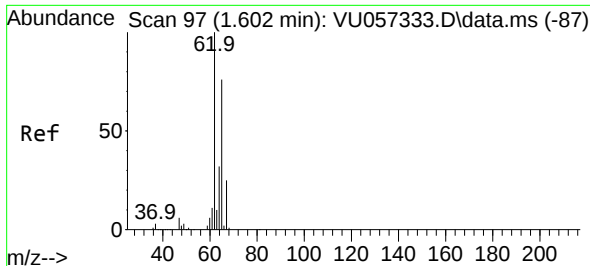
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

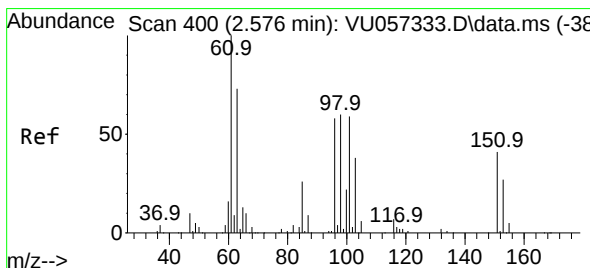
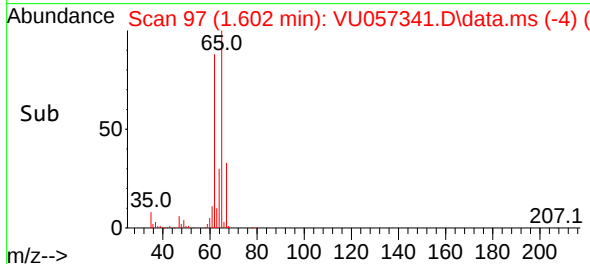
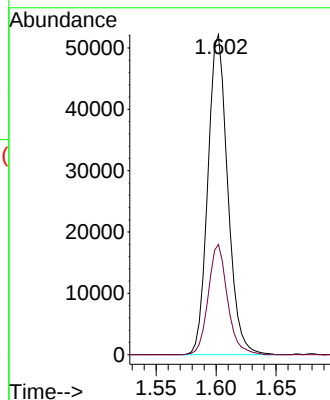
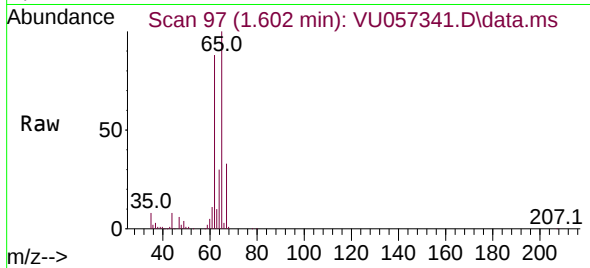




#5
 Vinyl chloride
 Concen: 2.929 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057341.D
 Acq: 28 Dec 2023 18:21

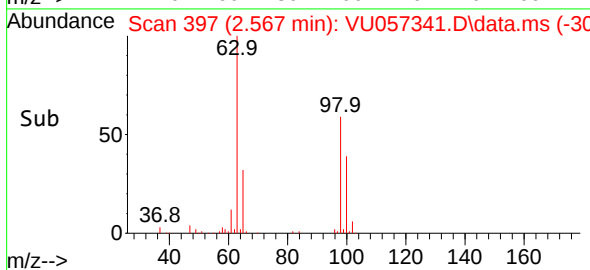
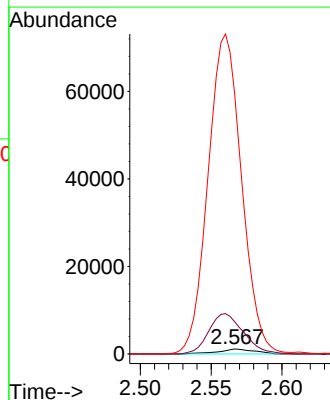
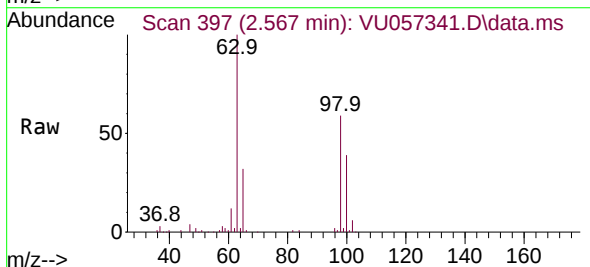
Instrument :
 MSVOA_U
 ClientSampleId :

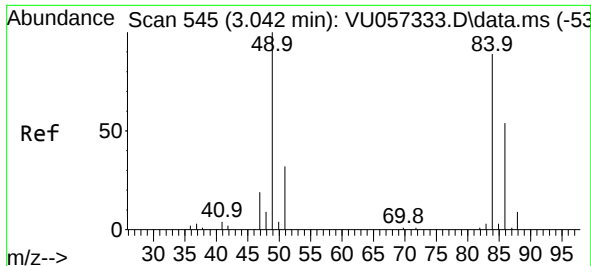
Tgt Ion: 62 Resp: 60165
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.124 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU057341.D
 Acq: 28 Dec 2023 18:21

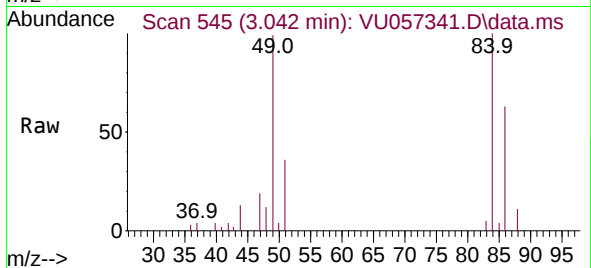
Tgt Ion: 96 Resp: 1987
 Ion Ratio Lower Upper
 96 100
 61 655.7 122.2 226.9#
 63 5285.8 99.2 184.2#





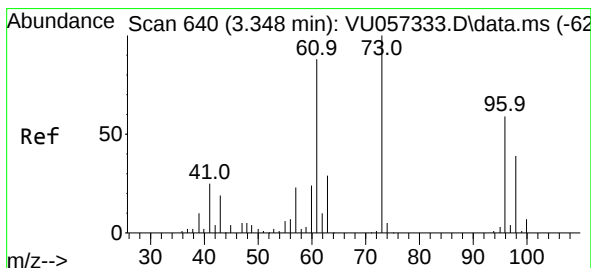
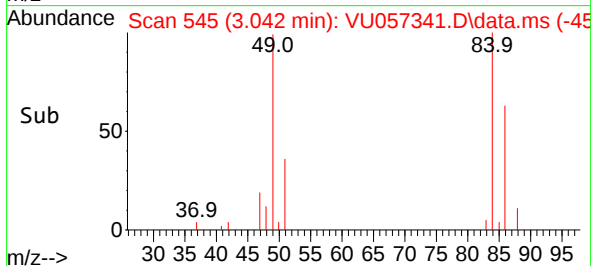
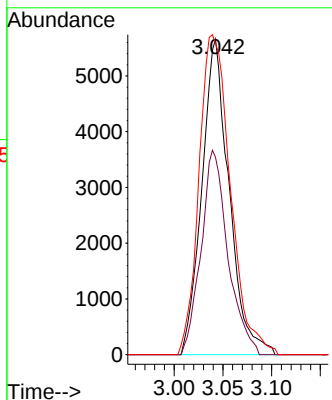
#16
Methylene chloride
Concen: 0.531 ug/L
RT: 3.042 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 11023

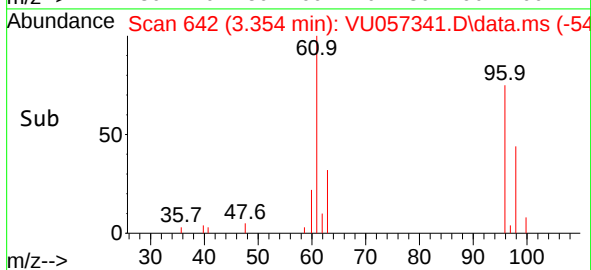
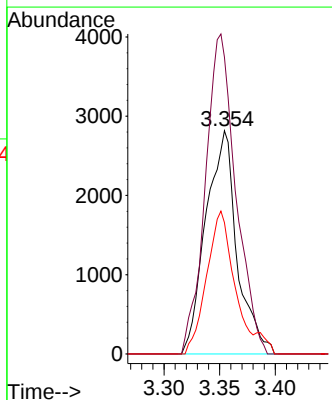
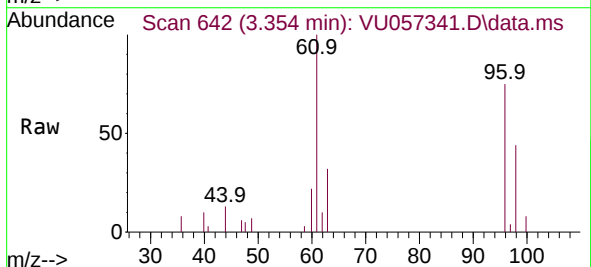
Ion	Ratio	Lower	Upper
84	100		
86	62.6	43.8	81.3
49	98.7	83.2	154.4

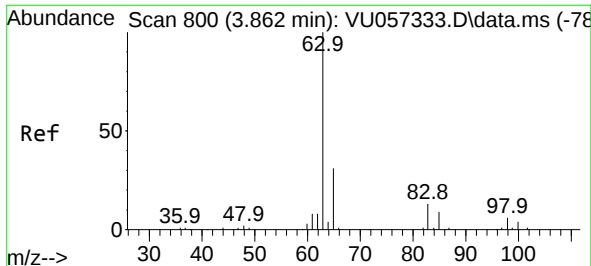


#18
trans-1,2-Dichloroethene
Concen: 0.344 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Tgt Ion: 96 Resp: 5486

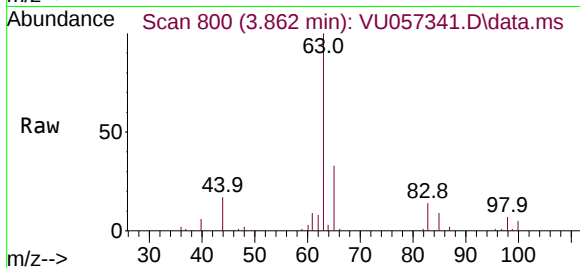
Ion	Ratio	Lower	Upper
96	100		
61	133.0	97.5	181.1
98	58.9	45.9	85.3



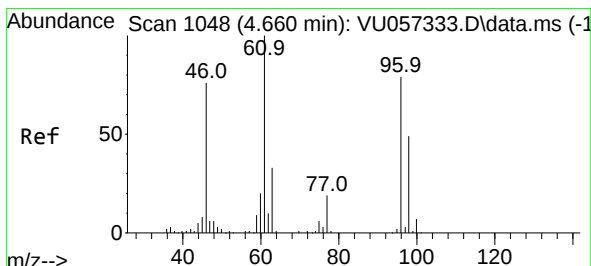
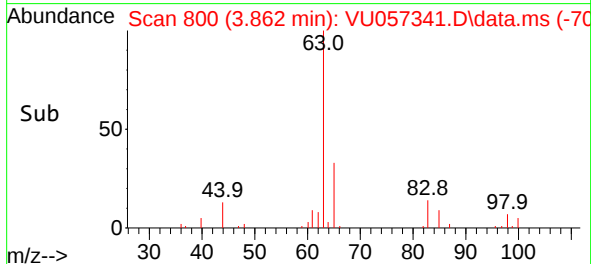
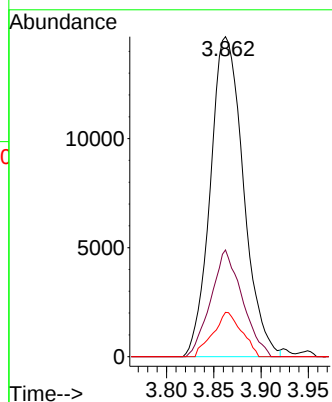


#19
1,1-Dichloroethane
Concen: 1.063 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Instrument :
MSVOA_U
ClientSampleId :

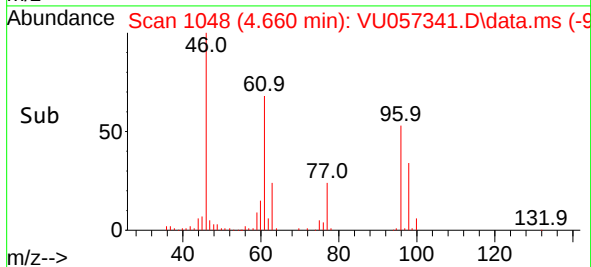
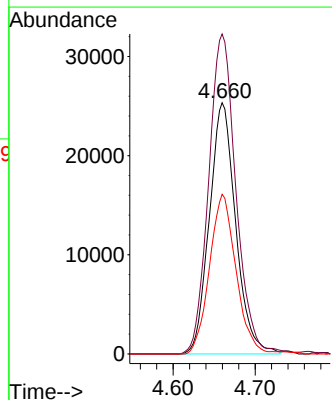
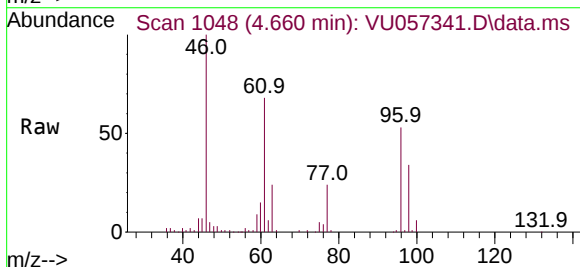


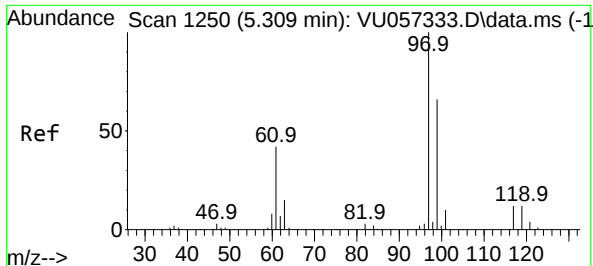
Tgt Ion: 63 Resp: 35654
Ion Ratio Lower Upper
63 100
65 33.3 23.6 43.8
83 13.9 9.8 18.2



#22
cis-1,2-Dichloroethene
Concen: 3.062 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Tgt Ion: 96 Resp: 56483
Ion Ratio Lower Upper
96 100
61 127.4 91.1 169.3
98 63.6 42.6 79.0





#29

1,1,1-Trichloroethane

Concen: 0.122 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

Instrument :

MSVOA_U

ClientSampleId :

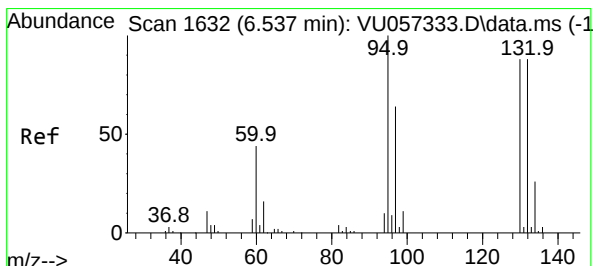
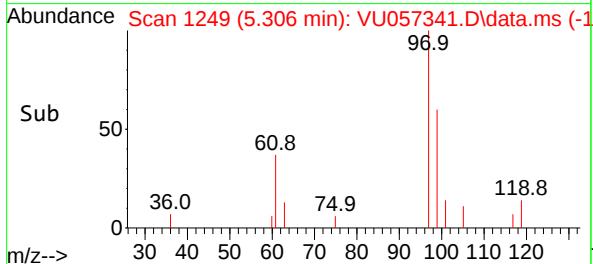
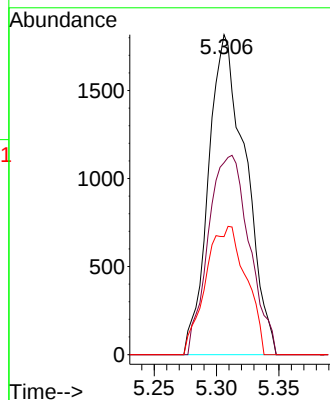
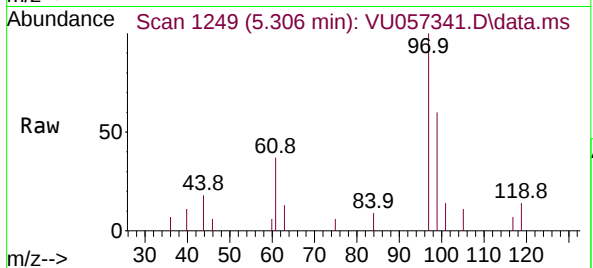
Tgt Ion: 97 Resp: 3774

Ion Ratio Lower Upper

97 100

99 68.5 51.7 77.5

61 43.6 34.1 51.1



#34

Trichloroethene

Concen: 5.364 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

Tgt Ion: 95 Resp: 100916

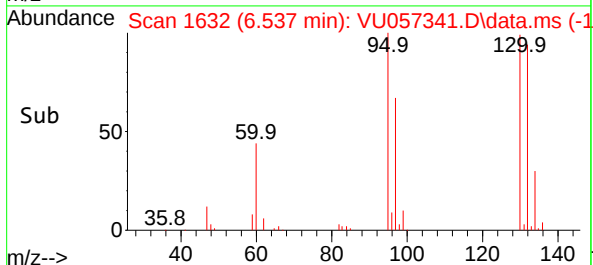
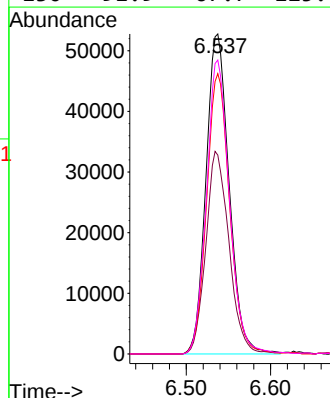
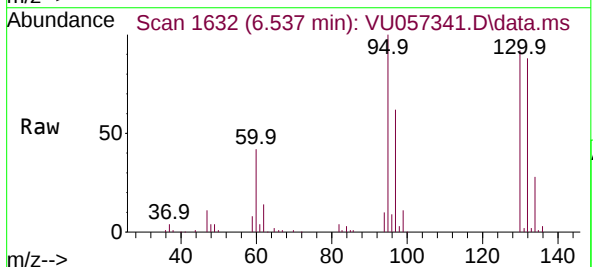
Ion Ratio Lower Upper

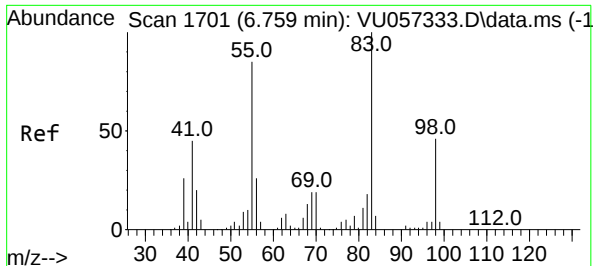
95 100

97 62.2 45.3 84.1

132 87.6 63.1 117.3

130 91.9 67.7 125.7





#35

Methylcyclohexane

Concen: 1.085 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU057341.D

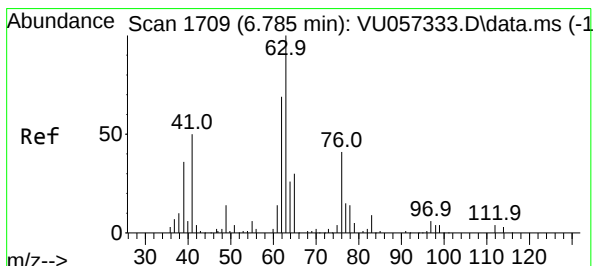
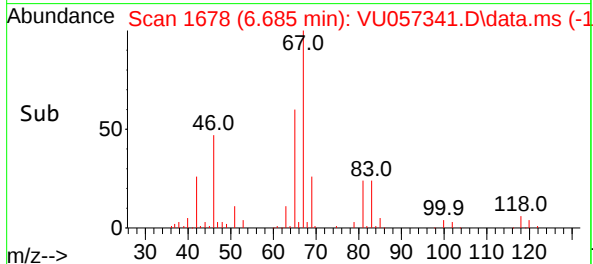
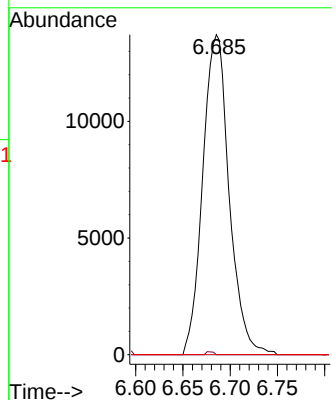
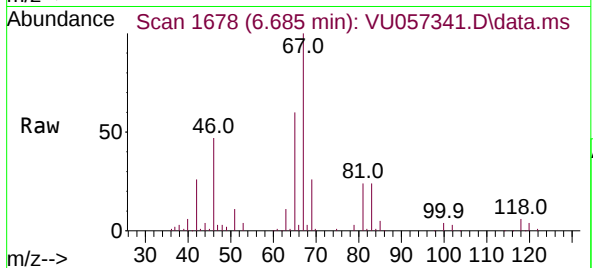
Acq: 28 Dec 2023 18:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 26657
Ion Ratio	Lower Upper
83	100
55	0.3 65.4 98.2#
98	0.0 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.633 ug/L

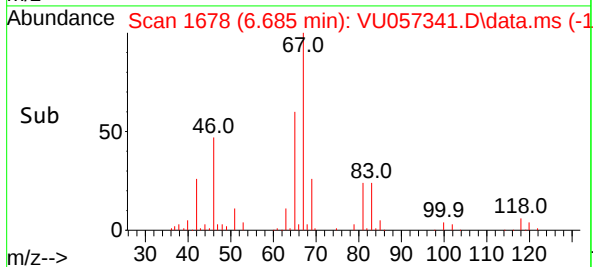
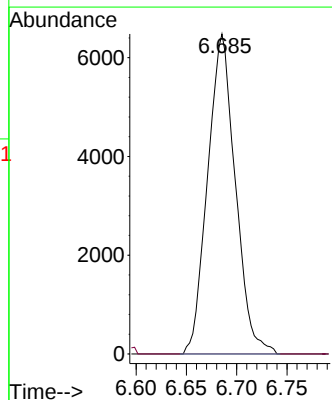
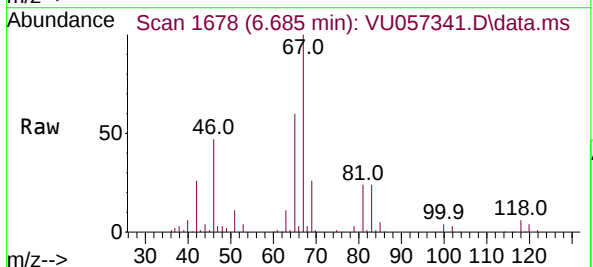
RT: 6.685 min Scan# 1678

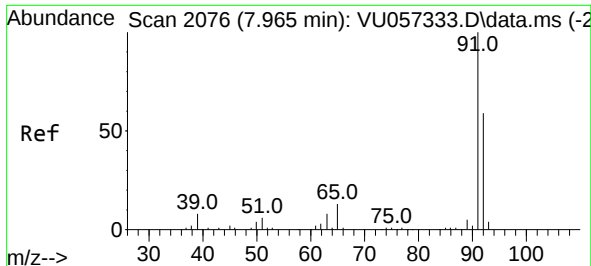
Delta R.T. -0.100 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

Tgt Ion: 63	Resp: 12426
Ion Ratio	Lower Upper
63	100
112	0.0 2.9 4.3#





#42

Toluene

Concen: 0.469 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

Instrument :

MSVOA_U

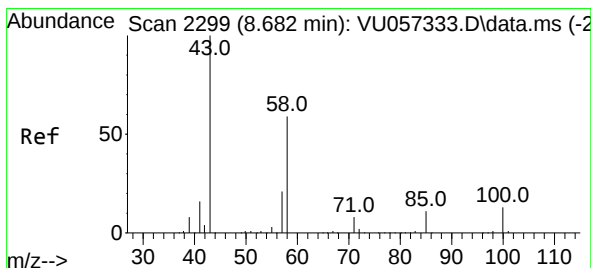
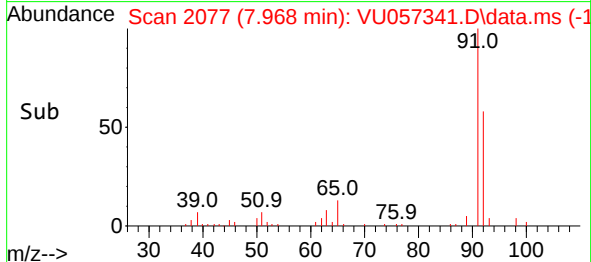
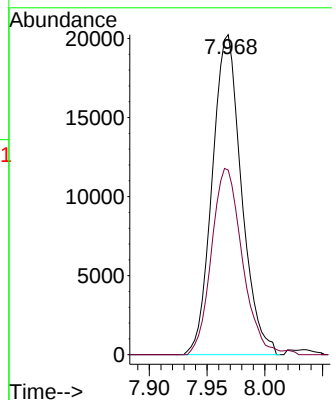
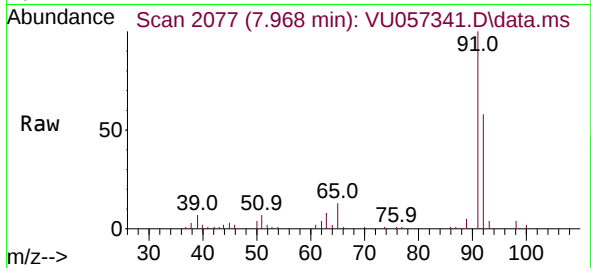
ClientSampleId :

Tgt Ion: 91 Resp: 35643

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.2



#48

2-Hexanone

Concen: 0.731 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

Tgt Ion: 43 Resp: 5395

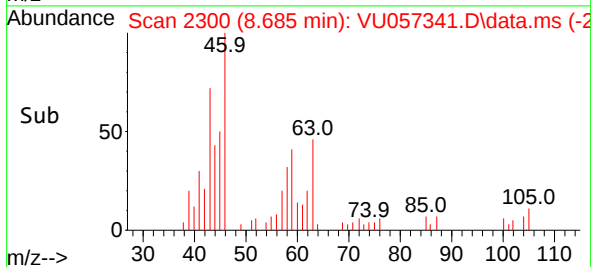
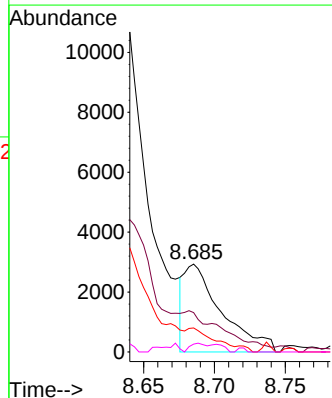
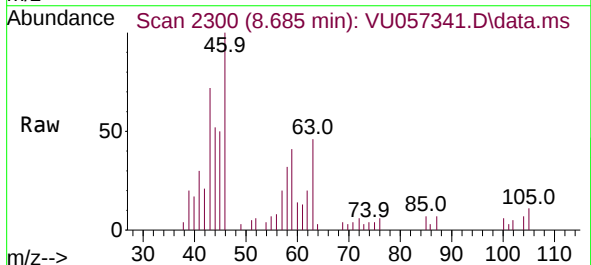
Ion Ratio Lower Upper

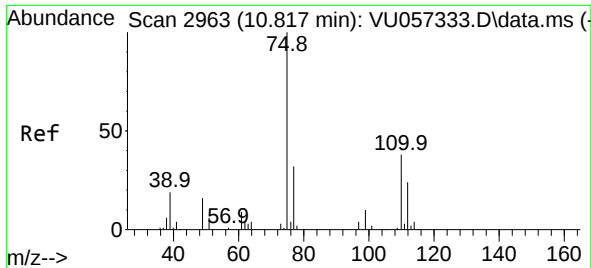
43 100

58 0.0 48.4 72.6#

57 0.0 17.4 26.2#

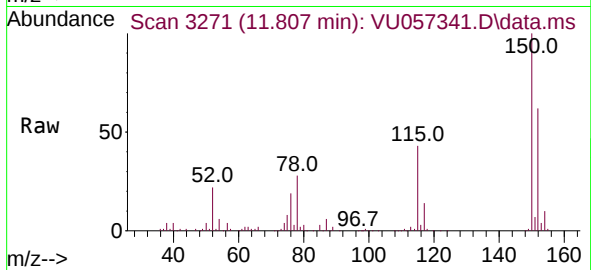
100 4.2 10.1 15.1#





#61
1,2,3-Trichloropropane
Concen: 1.215 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.6	29.0	43.6#
77	36.3	25.4	38.2

