

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 :
 BH7Z4DL

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)

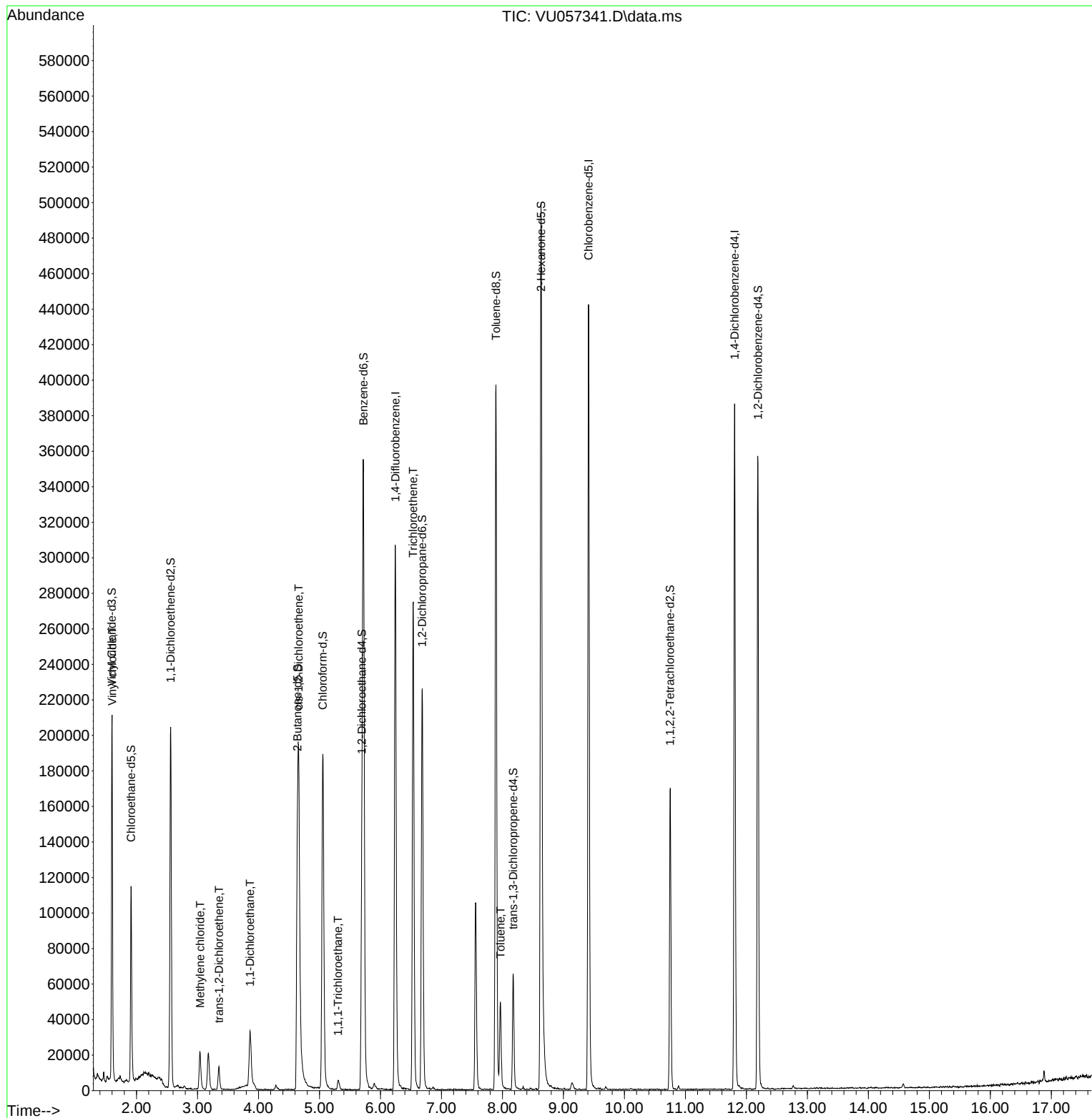
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	246080	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245086	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	99532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	95636	4.521	ug/L	0.00
Spiked Amount	5.000	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						
5) Vinyl chloride	1.602	62	60165	2.929	ug/L	97
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
42) Toluene	7.968	91	35643	0.469	ug/L	98

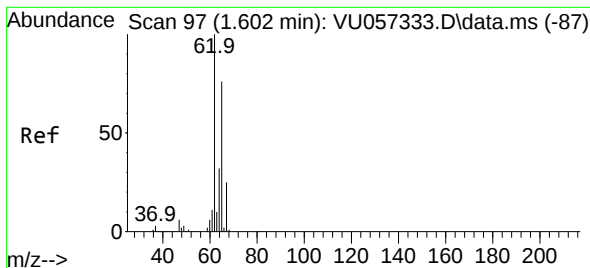
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

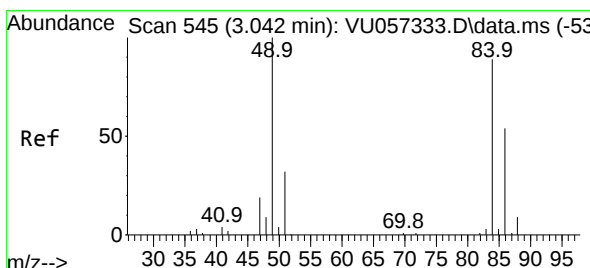
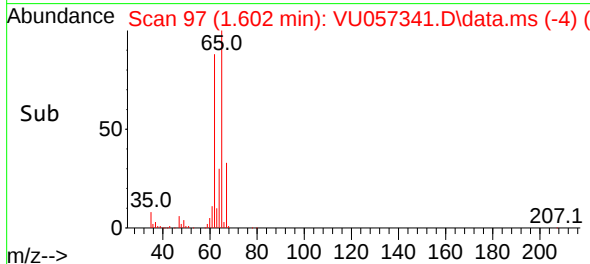
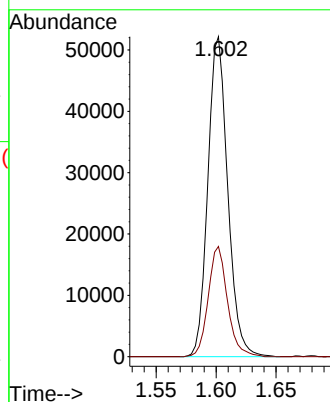
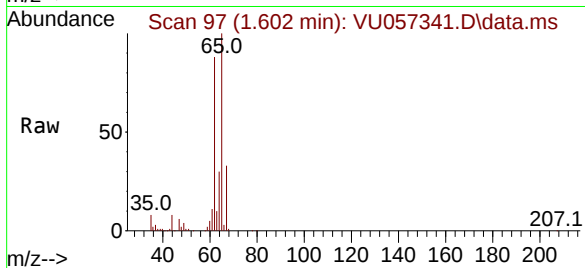
BH7Z4DL

Tgt Ion: 62 Resp: 60165

Ion Ratio Lower Upper

62 100

64 34.5 22.8 42.4



#16

Methylene chloride

Concen: 0.531 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.000 min

Lab File: VU057341.D

Acq: 28 Dec 2023 18:21

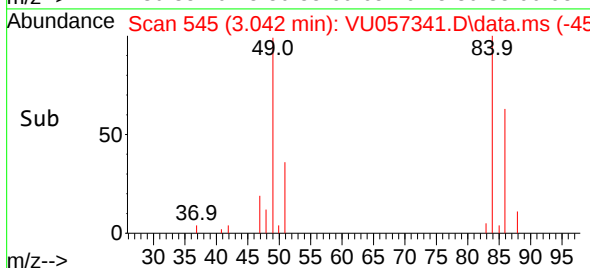
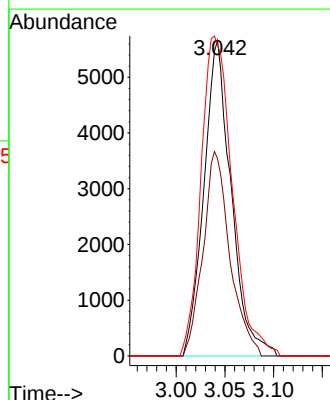
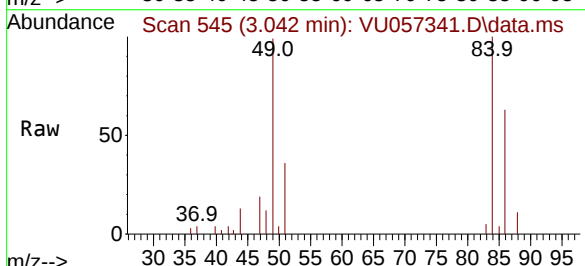
Tgt Ion: 84 Resp: 11023

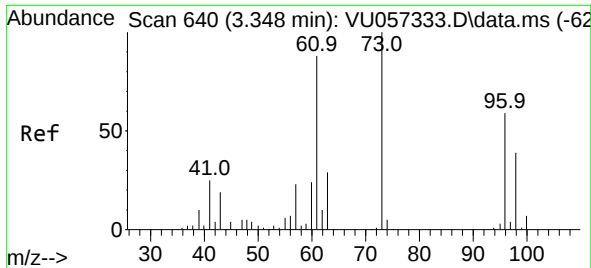
Ion Ratio Lower Upper

84 100

86 62.6 43.8 81.3

49 98.7 83.2 154.4

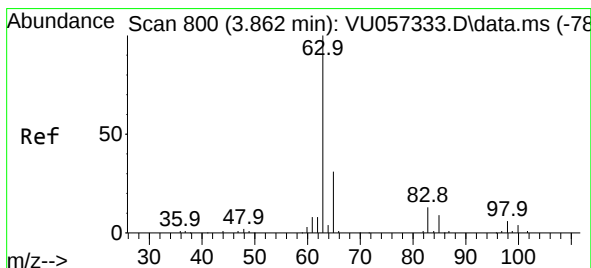
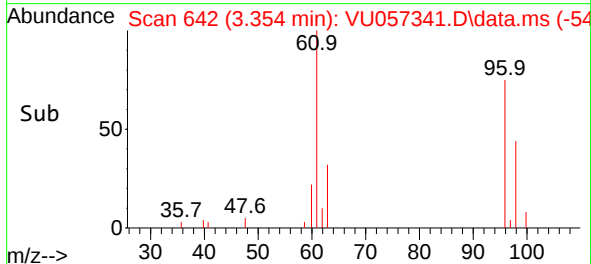
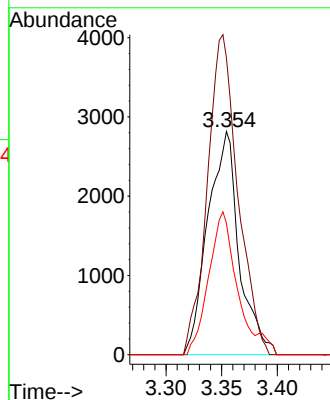
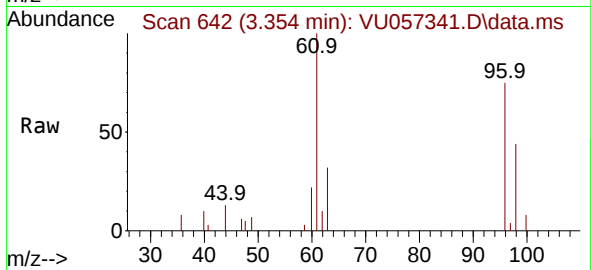




#18
trans-1,2-Dichloroethene
Concen: 0.344 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

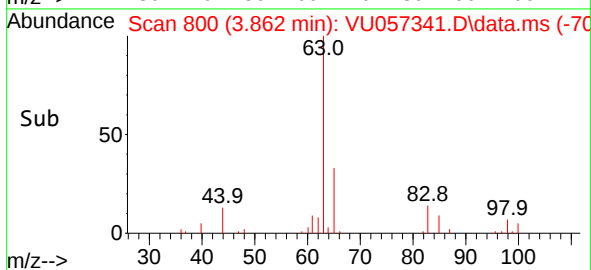
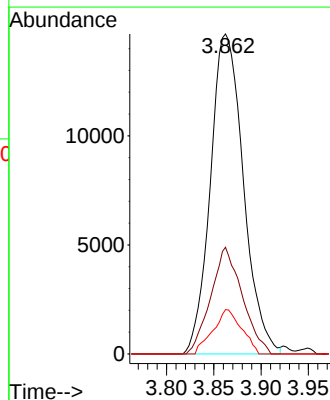
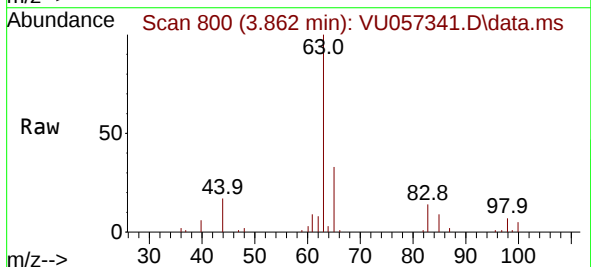
Instrument :
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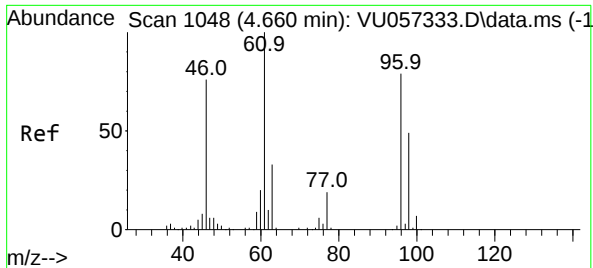
Tgt Ion: 96 Resp: 5486
Ion Ratio Lower Upper
96 100
61 133.0 97.5 181.1
98 58.9 45.9 85.3



#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

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

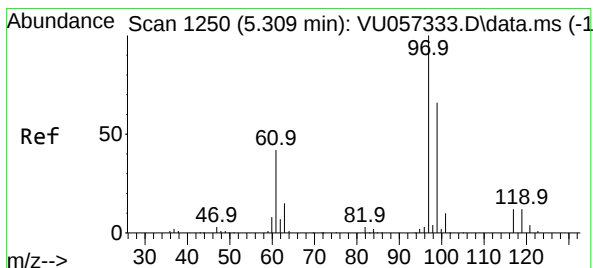
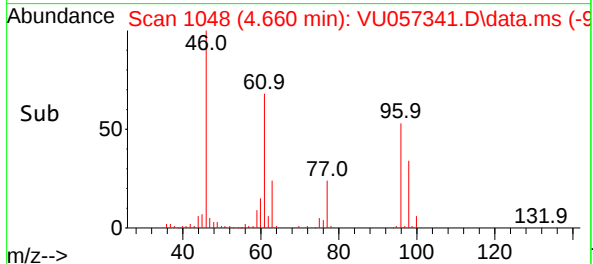
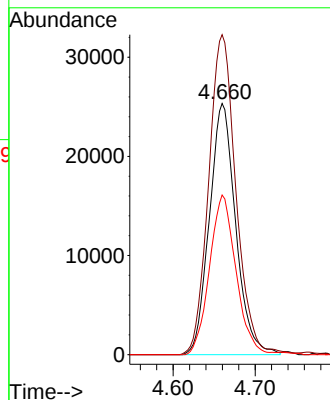
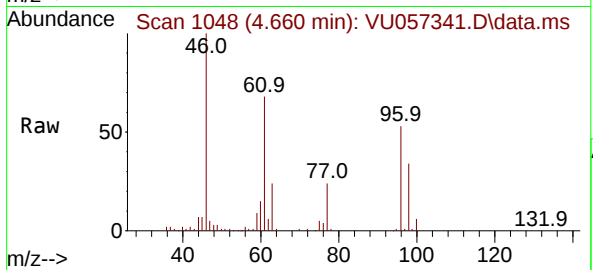




#22
 cis-1,2-Dichloroethene
 Concen: 3.062 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU057341.D
 Acq: 28 Dec 2023 18:21

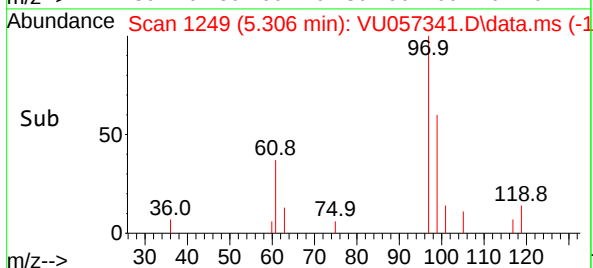
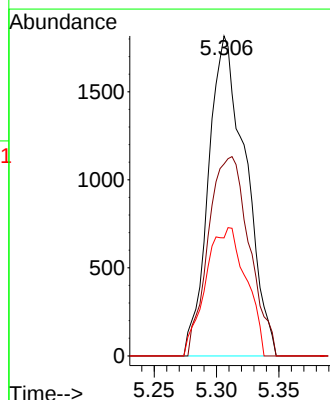
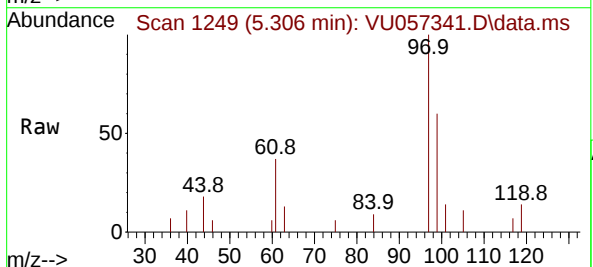
Instrument :
 MSVOA_U
 ClientSampleId :
 BH7Z4DL

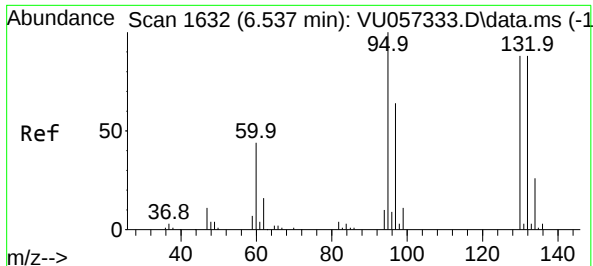
Tgt Ion: 96 Resp: 56483
 Ion Ratio Lower Upper
 96 100
 61 127.4 91.1 169.3
 98 63.6 42.6 79.0



#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

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

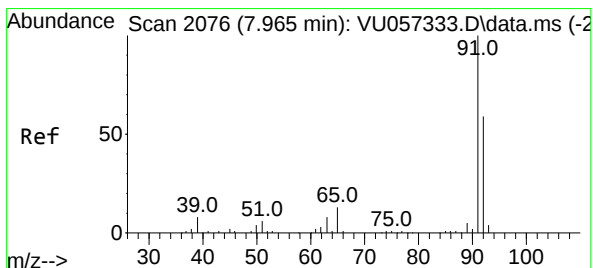
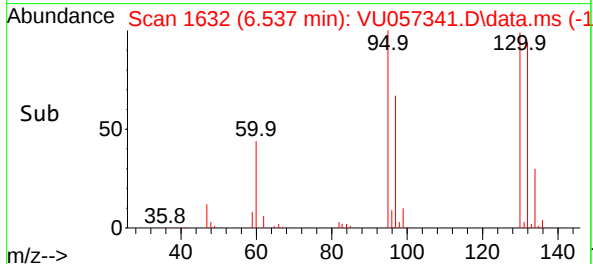
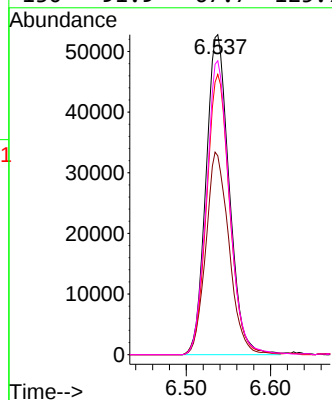
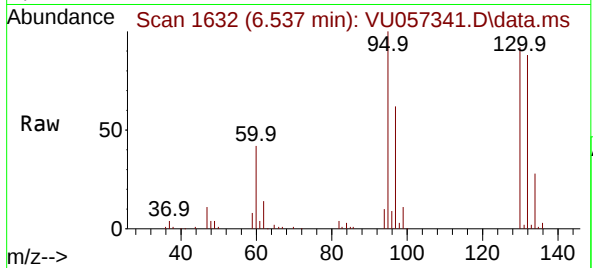




#34
Trichloroethene
Concen: 5.364 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Instrument :
MSVOA_U
ClientSampleId :
BH7Z4DL

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



#42
Toluene
Concen: 0.469 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU057341.D
Acq: 28 Dec 2023 18:21

Tgt Ion: 91 Resp: 35643
Ion Ratio Lower Upper
91 100
92 57.7 41.6 77.2

