

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062828.D
 Acq On : 16 Jan 2025 18:34
 Operator : MD/SY
 Sample : Q1072-01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ85

Quant Time: Jan 16 22:09:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

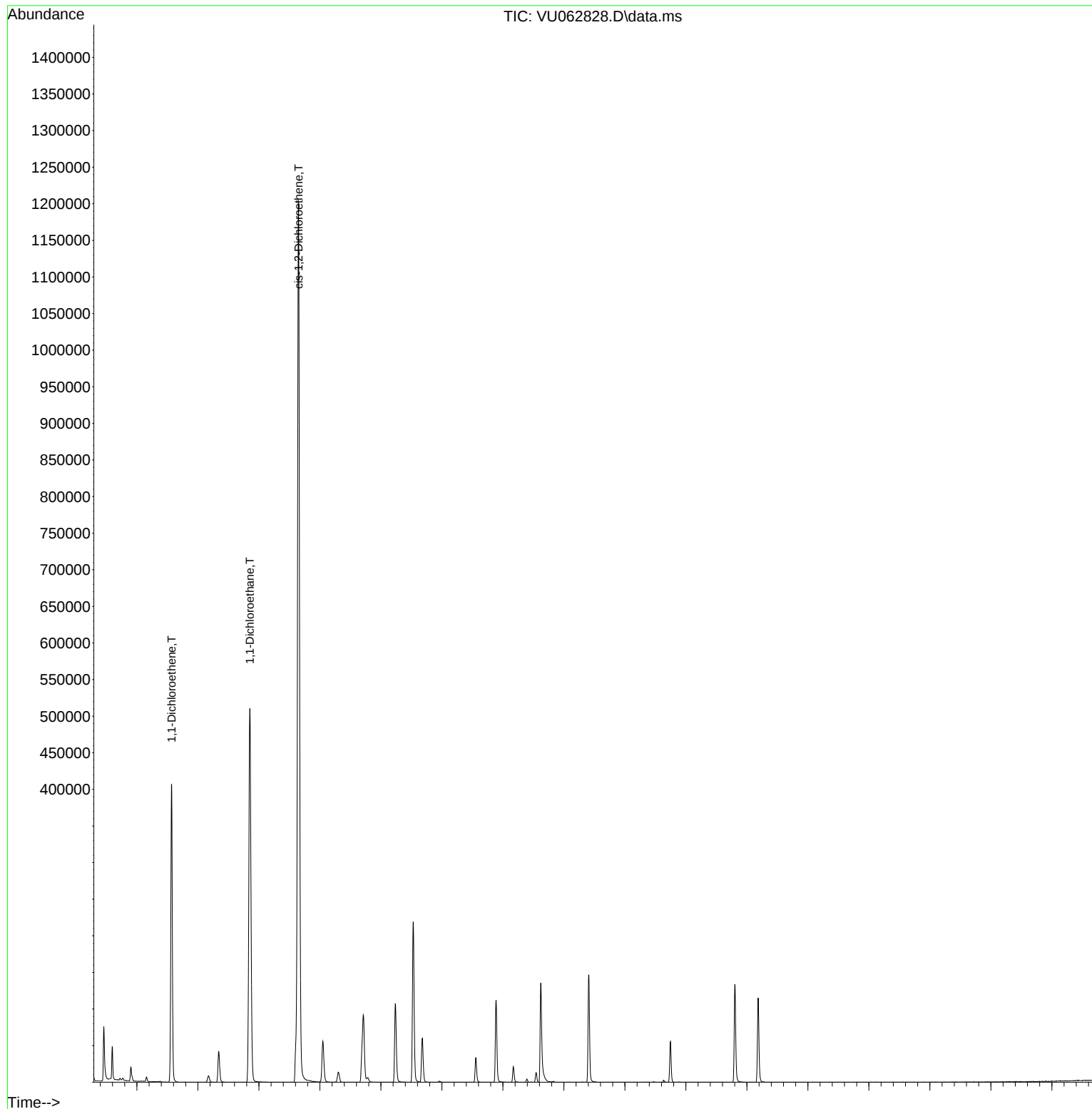
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	90801	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	84011	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	39909	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	12954	2.576	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	51.600%
7) Chloroethane-d5	1.901	69	13985	3.457	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.554	65	7905	3.034	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.600%
20) 2-Butanone-d5	4.605	46	61092	59.439	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.880%
24) Chloroform-d	5.049	84	54748	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.689	65	33652	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.714	84	85628	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.679	67	25875	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.888	98	77571	3.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.600%
43) trans-1,3-Dichloroprop...	8.171	79	12678	4.467	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.621	63	46047	51.585	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.160%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	25633	5.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	33028	4.974	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds					Qvalue	
8) Chloroethane	1.924	64	3119	0.794	ug/L	88
12) 1,1-Dichloroethene	2.570	96	133995	23.772	ug/L #	74
18) trans-1,2-Dichloroethene	3.342	96	18070	2.992	ug/L	98
19) 1,1-Dichloroethane	3.853	63	562492	52.095	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	655835	99.725	ug/L	98
27) 1,2-Dichloroethane	5.788	62	5496	0.633	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	10657	0.836	ug/L	93
34) Trichloroethene	6.531	95	76702	9.302	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	1396	0.302	ug/L	94
47) Tetrachloroethene	8.547	164	3239	0.570	ug/L	86

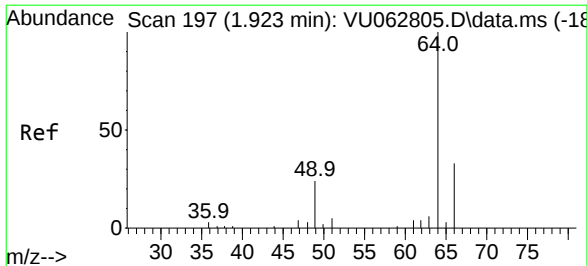
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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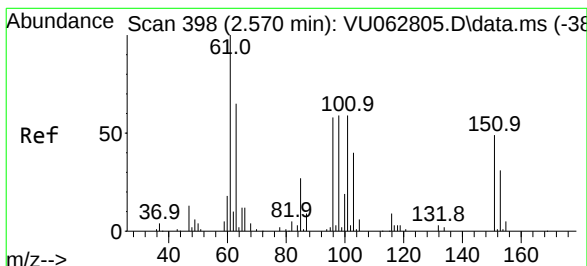
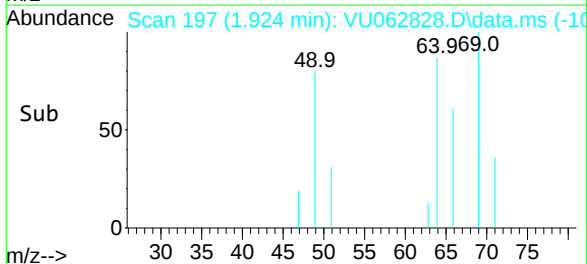
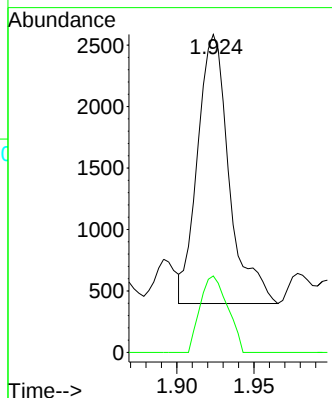
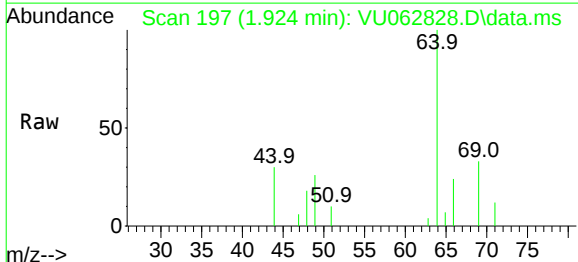




#8
Chloroethane
Concen: 0.794 ug/L
RT: 1.924 min Scan# 19
Delta R.T. 0.000 min
Lab File: VU062828.D
Acq: 16 Jan 2025 18:34

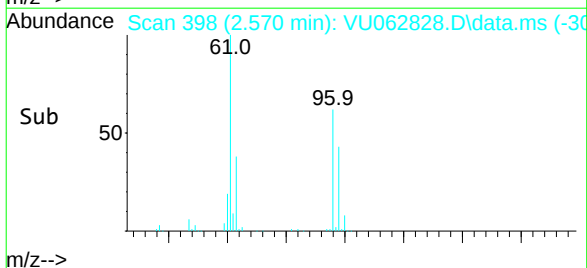
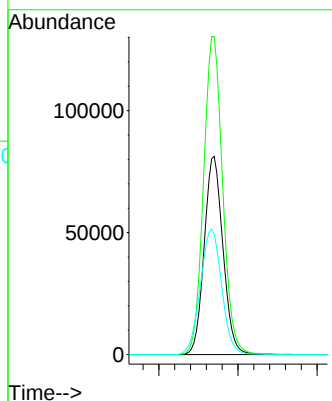
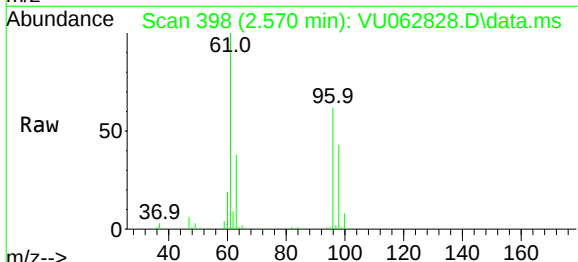
Instrument :
MSVOA_U
ClientSampleId :
GCQ85

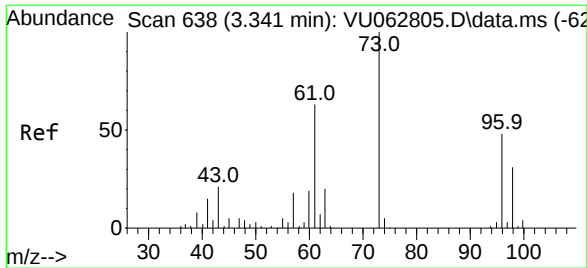
Tgt Ion: 64 Resp: 3119
Ion Ratio Lower Upper
64 100
66 24.0 21.6 40.2



#12
1,1-Dichloroethene
Concen: 23.772 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062828.D
Acq: 16 Jan 2025 18:34

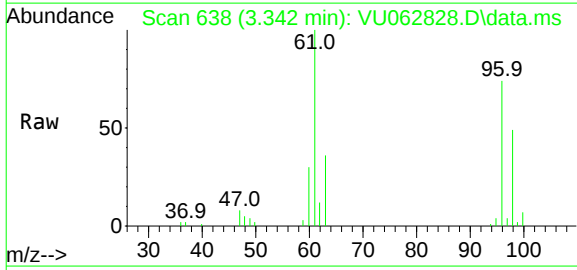
Tgt Ion: 96 Resp: 133995
Ion Ratio Lower Upper
96 100
61 160.5 120.4 223.6
63 60.7 82.3 152.9#



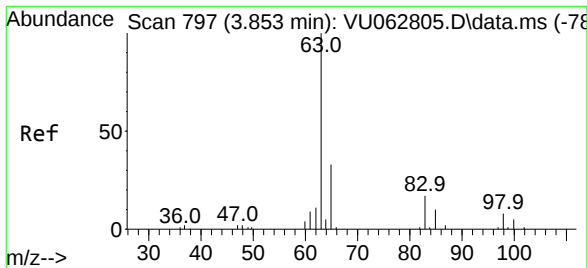
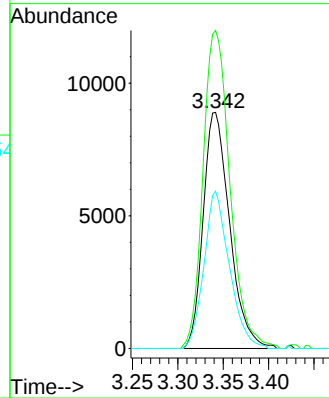
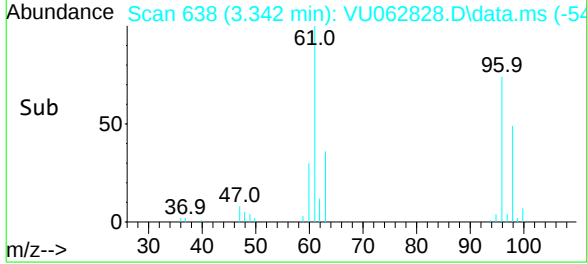


#18
trans-1,2-Dichloroethene
Concen: 2.992 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062828.D
Acq: 16 Jan 2025 18:34

Instrument :
MSVOA_U
ClientSampleId :
GCQ85

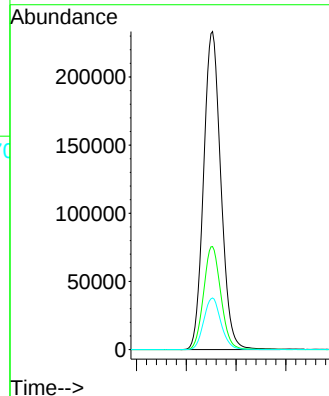
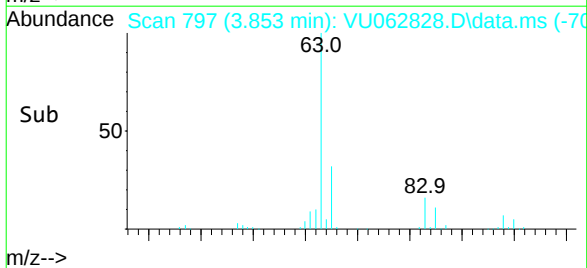
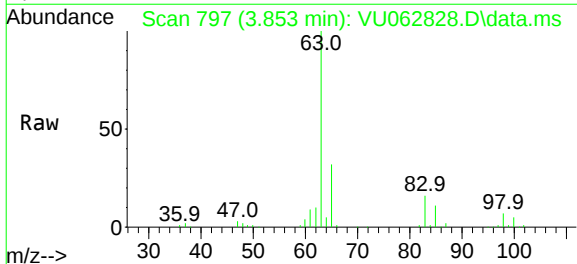


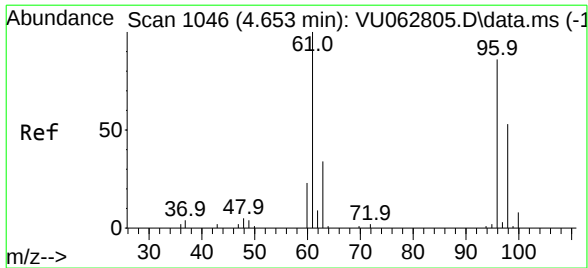
Tgt Ion: 96 Resp: 18070
Ion Ratio Lower Upper
96 100
61 134.7 94.4 175.2
98 66.7 42.8 79.4



#19
1,1-Dichloroethane
Concen: 52.095 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU062828.D
Acq: 16 Jan 2025 18:34

Tgt Ion: 63 Resp: 562492
Ion Ratio Lower Upper
63 100
65 32.4 20.7 38.5
83 16.2 10.5 19.5

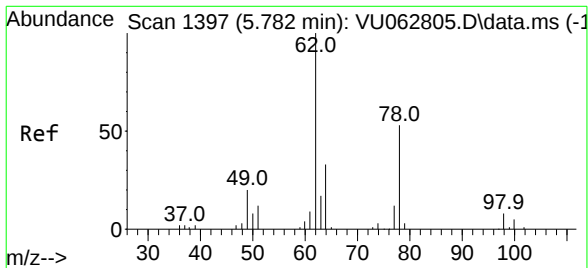
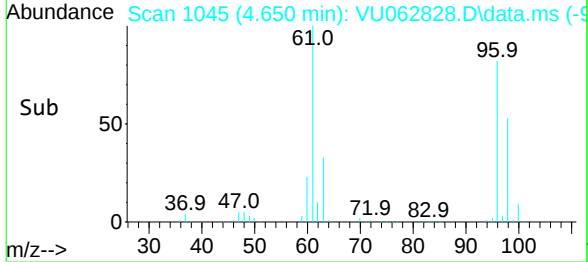
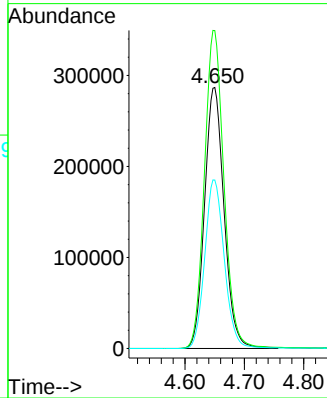
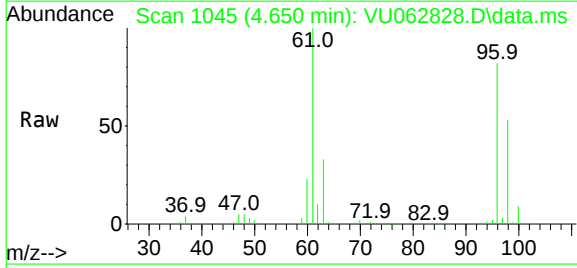




#22
 cis-1,2-Dichloroethene
 Concen: 99.725 ug/L
 RT: 4.650 min Scan# 1045
 Delta R.T. -0.003 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

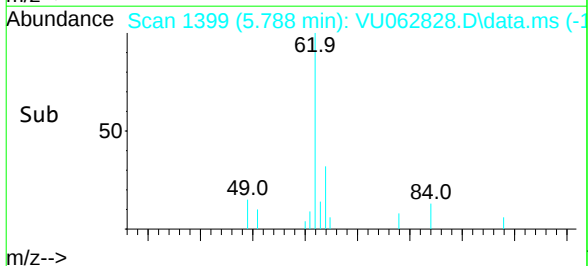
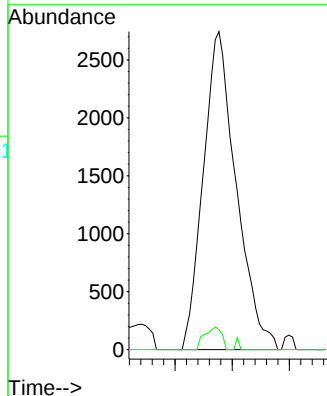
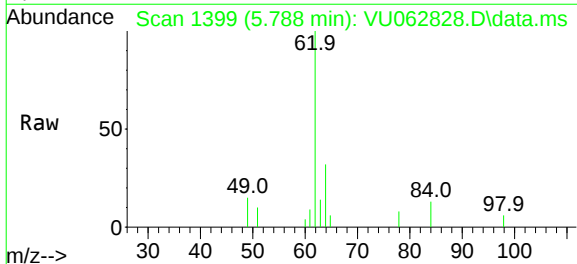
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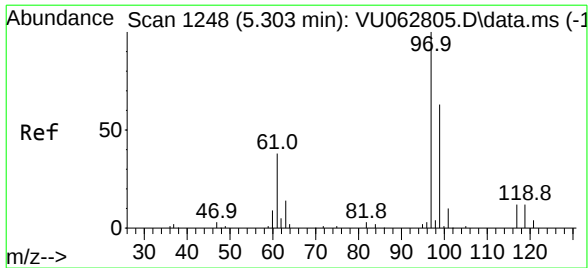
Tgt Ion:	96	Resp:	655835
Ion	Ratio	Lower	Upper
96	100		
61	121.8	84.8	157.6
98	64.6	43.1	80.1



#27
 1,2-Dichloroethane
 Concen: 0.633 ug/L
 RT: 5.788 min Scan# 1399
 Delta R.T. 0.007 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

Tgt Ion:	62	Resp:	5496
Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.8	8.6

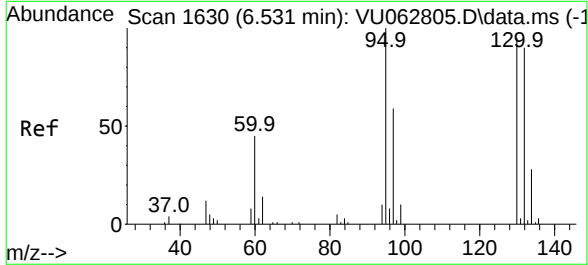
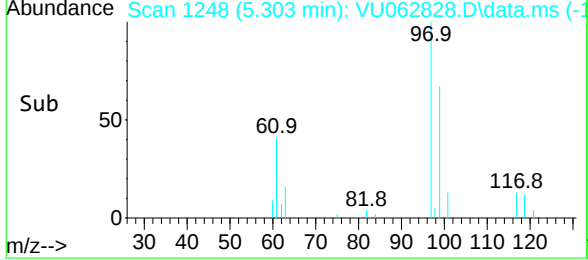
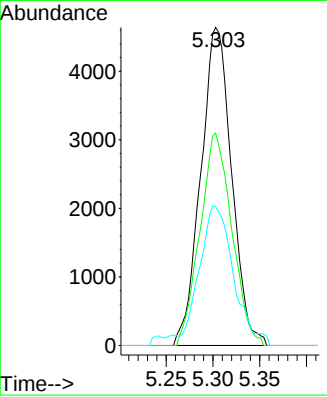
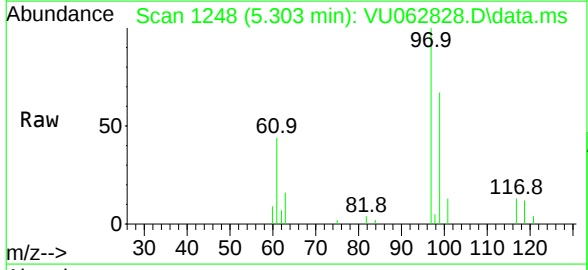




#29
 1,1,1-Trichloroethane
 Concen: 0.836 ug/L
 RT: 5.303 min Scan# 1248
 Delta R.T. 0.000 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

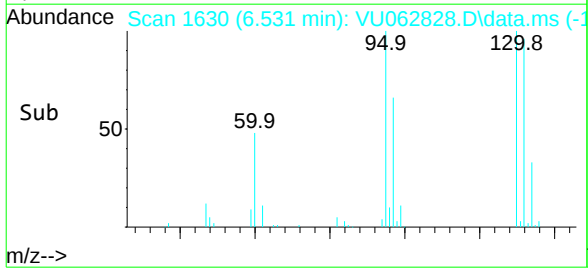
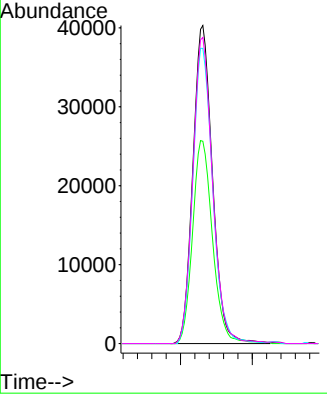
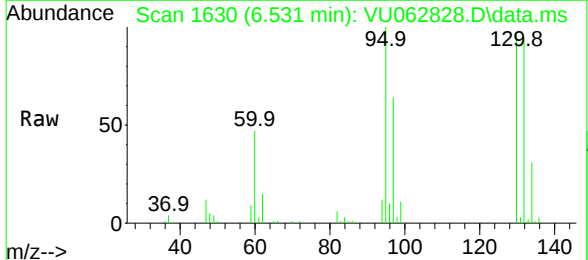
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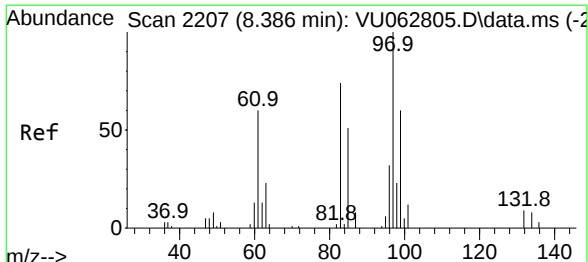
Tgt Ion:	97	Resp:	10657
Ion	Ratio	Lower	Upper
97	100		
99	68.7	52.4	78.6
61	48.3	32.2	48.4



#34
 Trichloroethene
 Concen: 9.302 ug/L
 RT: 6.531 min Scan# 1630
 Delta R.T. 0.000 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

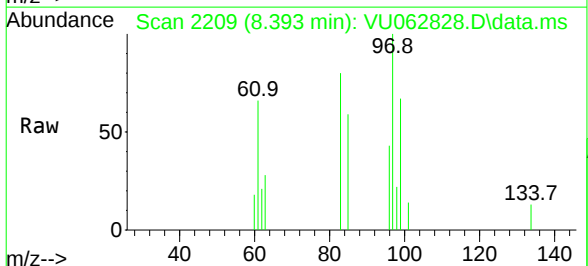
Tgt Ion:	95	Resp:	76702
Ion	Ratio	Lower	Upper
95	100		
97	63.6	47.5	88.3
132	92.8	66.9	124.3
130	96.2	68.6	127.4



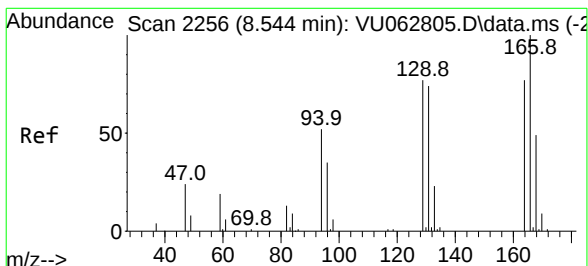
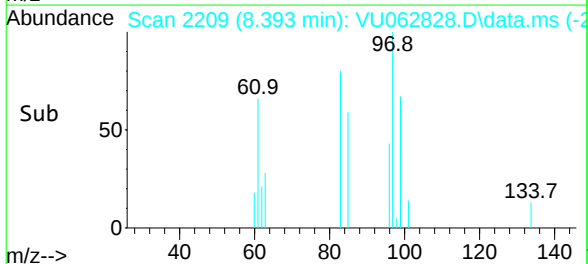
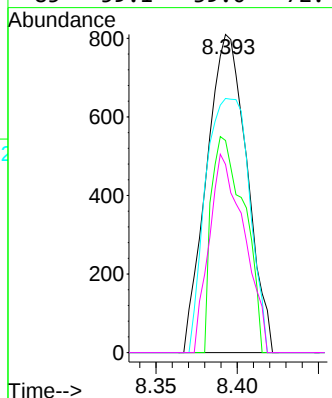


#45
 1,1,2-Trichloroethane
 Concen: 0.302 ug/L
 RT: 8.393 min Scan# 2229
 Delta R.T. 0.007 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

Instrument :
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Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	45.6	84.6
83	79.9	63.0	117.0
85	59.1	39.0	72.4



#47
 Tetrachloroethene
 Concen: 0.570 ug/L
 RT: 8.547 min Scan# 2257
 Delta R.T. 0.003 min
 Lab File: VU062828.D
 Acq: 16 Jan 2025 18:34

Tgt Ion	Ratio	Lower	Upper
164	100		
129	96.4	71.0	131.9
131	93.4	69.4	129.0
166	102.1	92.7	172.3

