

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032924\
 Data File : VU058295.D
 Acq On : 30 Mar 2024 01:41
 Operator : MD/SY
 Sample : P1929-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Mar 30 03:27:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 30 01:09:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	53768	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	50828	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	22036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	18735	4.123	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.907	69	19782	5.334	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.560	65	8498	4.505	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.631	46	64879	80.373	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	160.740%#
24) Chloroform-d	5.052	84	48765	6.003	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.000%
26) 1,2-Dichloroethane-d4	5.695	65	25145	6.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.400%#
32) Benzene-d6	5.721	84	92109	5.579	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
36) 1,2-Dichloropropane-d6	6.682	67	31115	6.395	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.800%
41) Toluene-d8	7.891	98	74722	5.109	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	8.174	79	8706	5.584	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.600%
46) 2-Hexanone-d5	8.627	63	45013	71.295	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.600%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	21837	6.889	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	137.800%#
66) 1,2-Dichlorobenzene-d4	12.187	152	26050	6.348	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.000%#
Target Compounds						
						Qvalue
5) Vinyl chloride	1.599	62	571	0.185	ug/L #	66
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7727	2.403	ug/L	97
12) 1,1-Dichloroethene	2.576	96	14866	5.515	ug/L	84
16) Methylene chloride	3.039	84	1228	0.321	ug/L #	70
18) trans-1,2-Dichloroethene	3.354	96	588	0.209	ug/L	95
19) 1,1-Dichloroethane	3.859	63	12077	1.908	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	86818	24.940	ug/L	99
25) Chloroform	5.078	83	15683	2.363	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	3441	0.655	ug/L	98
31) Carbon tetrachloride	5.518	117	8660	1.936	ug/L	95
34) Trichloroethene	6.534	95	935493	268.977	ug/L	98
35) Methylcyclohexane	6.682	83	6829	1.408	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	3272	0.877	ug/L #	90
39) cis-1,3-Dichloropropene	7.557	75	651	0.138	ug/L #	71
45) 1,1,2-Trichloroethane	8.396	97	411	0.175	ug/L	89
47) Tetrachloroethene	8.547	164	83798	35.972	ug/L	98
48) 2-Hexanone	8.631	43	5590	4.071	ug/L #	79
49) Dibromochloromethane	8.547	129	85915	33.426	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	3017	1.635	ug/L #	68

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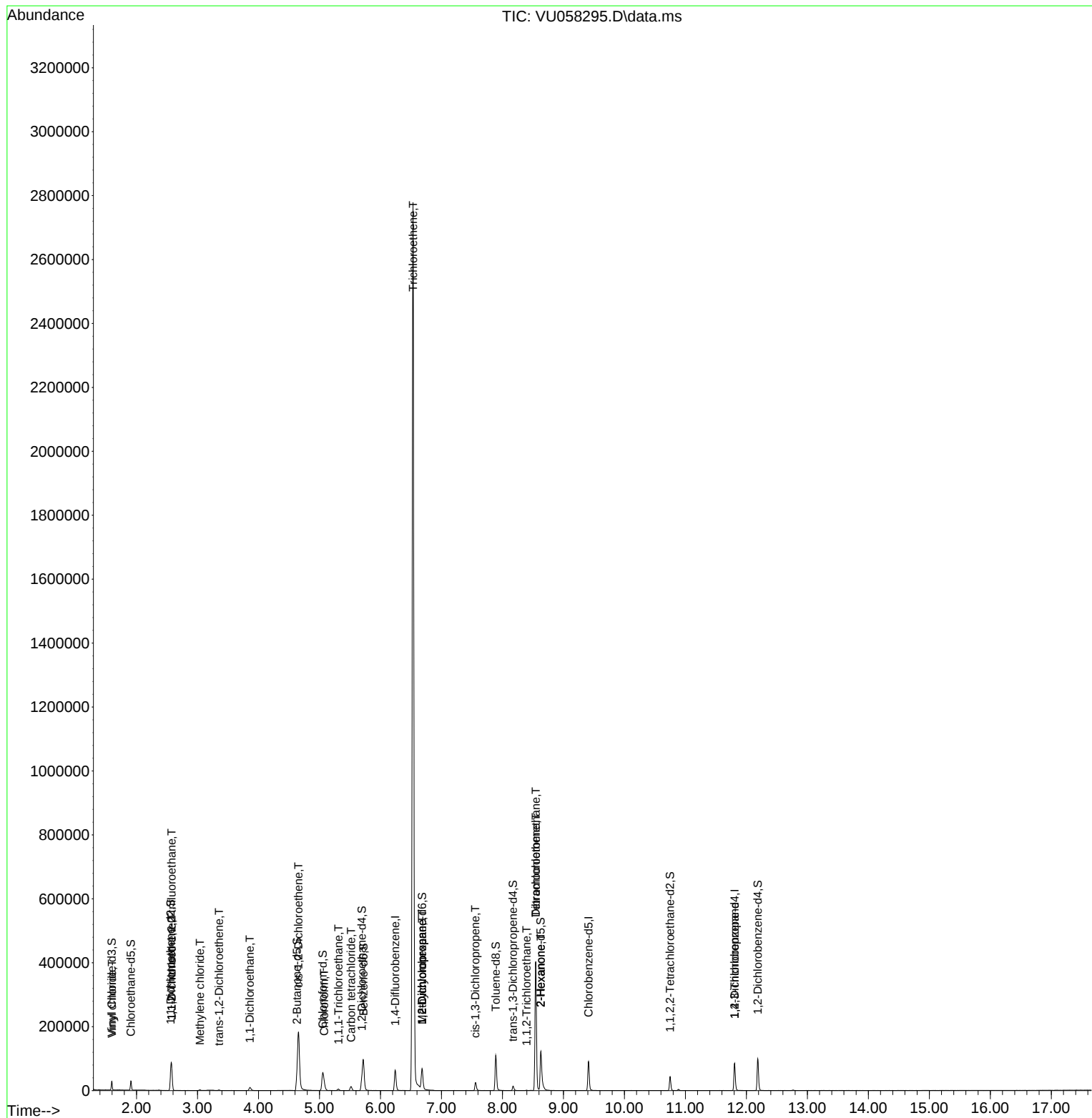
Quant Time: Mar 30 03:27:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Mar 30 01:09:11 2024
Response via : Initial Calibration

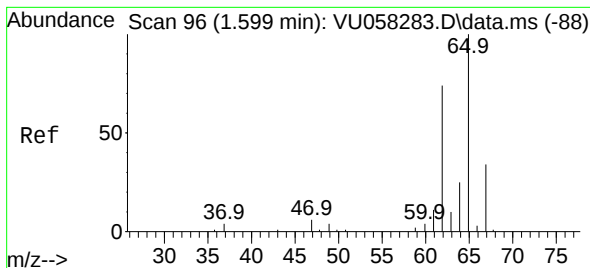
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSV0A_U\Data\VU032924\
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#5

Vinyl chloride

Concen: 0.185 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058295.D

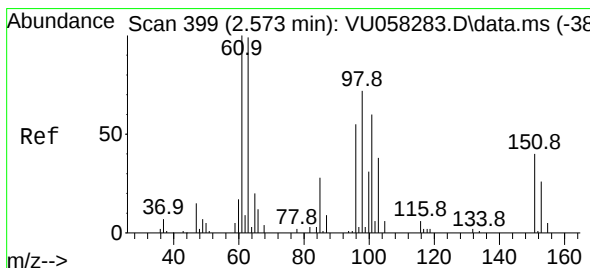
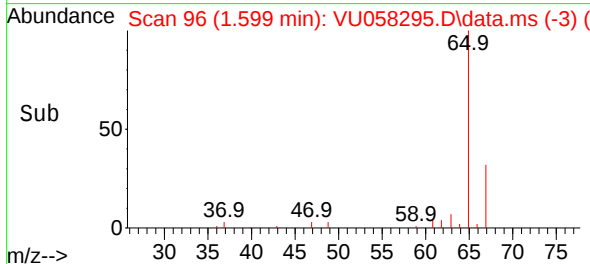
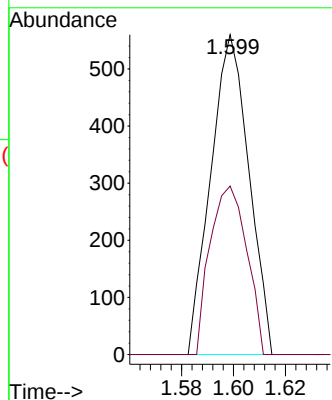
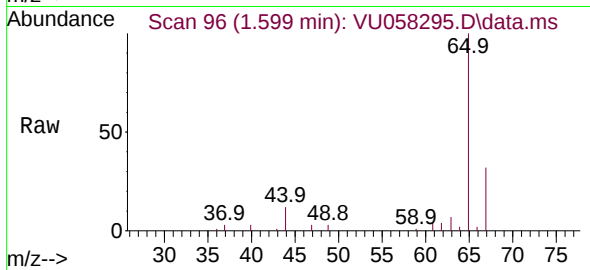
Acq: 30 Mar 2024 01:41

Tgt Ion: 62 Resp: 571

Ion Ratio Lower Upper

62 100

64 52.7 23.4 43.6#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.403 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU058295.D

Acq: 30 Mar 2024 01:41

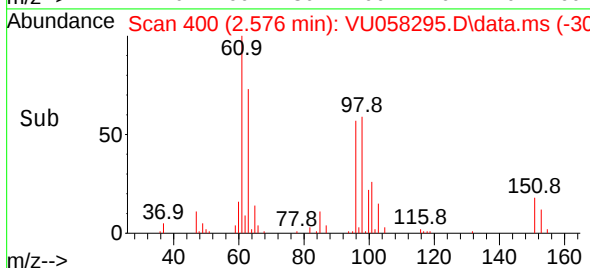
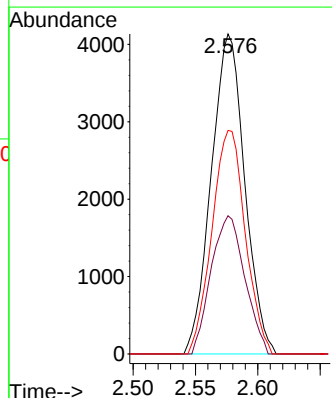
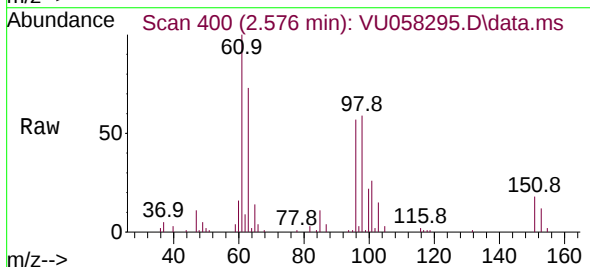
Tgt Ion: 101 Resp: 7727

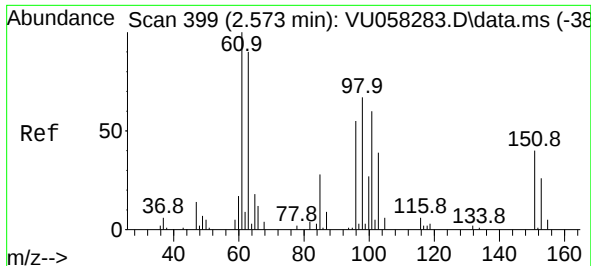
Ion Ratio Lower Upper

101 100

85 43.5 37.9 56.9

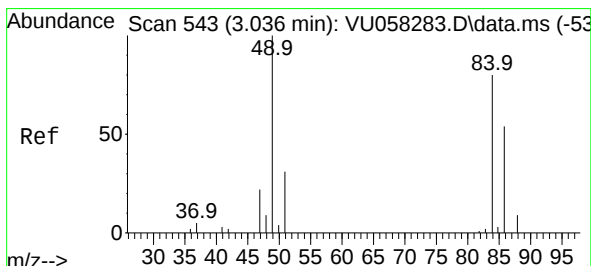
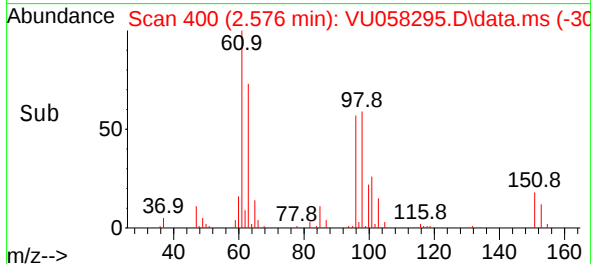
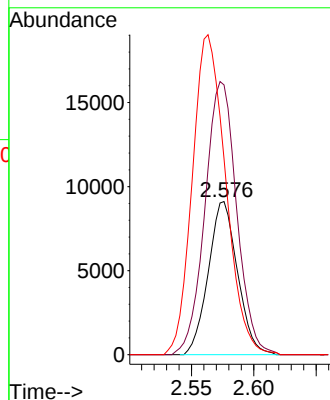
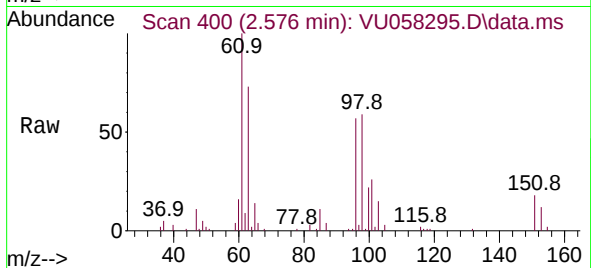
151 69.5 55.3 82.9





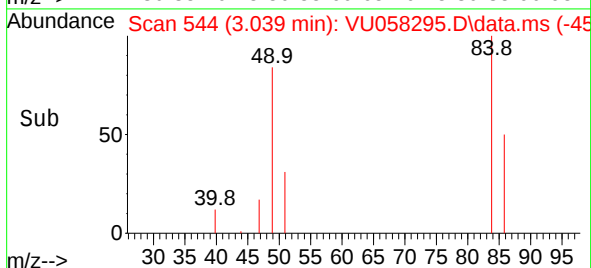
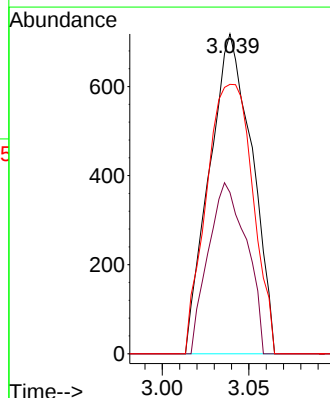
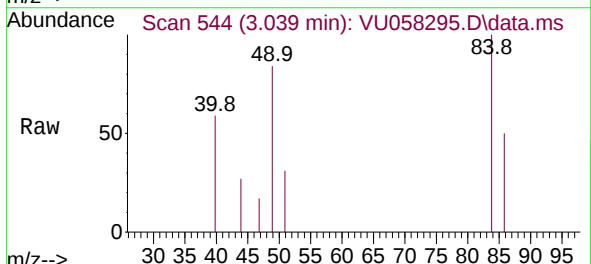
#12
1,1-Dichloroethene
Concen: 5.515 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

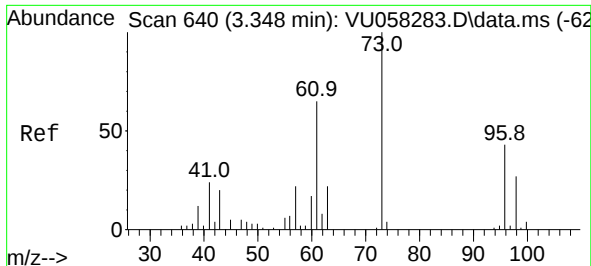
Tgt Ion: 96 Resp: 14866
Ion Ratio Lower Upper
96 100
61 176.2 128.1 237.9
63 127.9 116.8 217.0



#16
Methylene chloride
Concen: 0.321 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

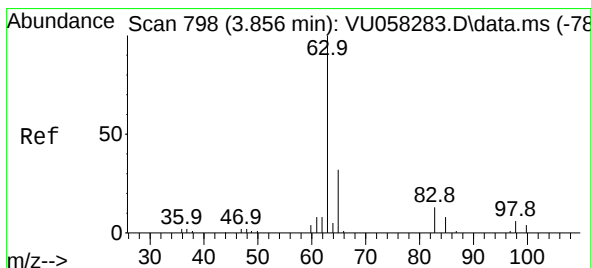
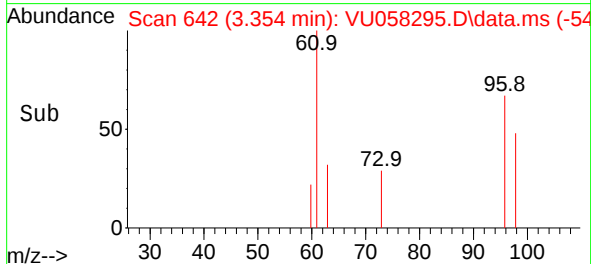
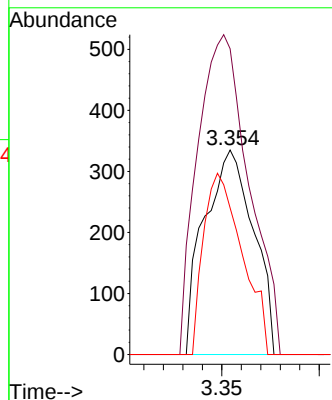
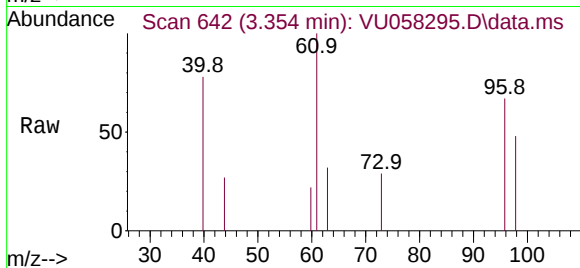
Tgt Ion: 84 Resp: 1228
Ion Ratio Lower Upper
84 100
86 50.4 45.6 84.6
49 84.3 88.3 163.9#





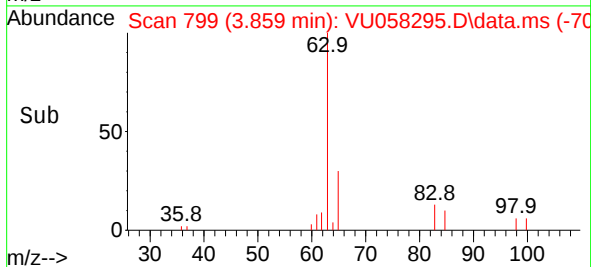
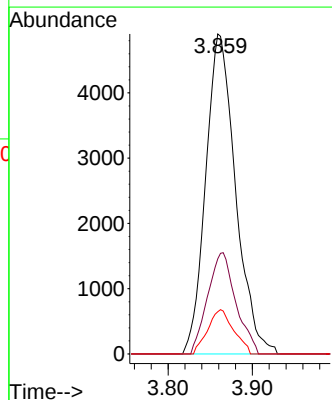
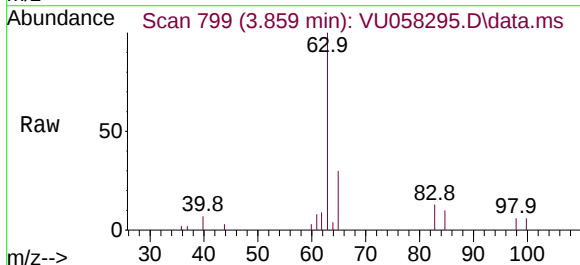
#18
trans-1,2-Dichloroethene
Concen: 0.209 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

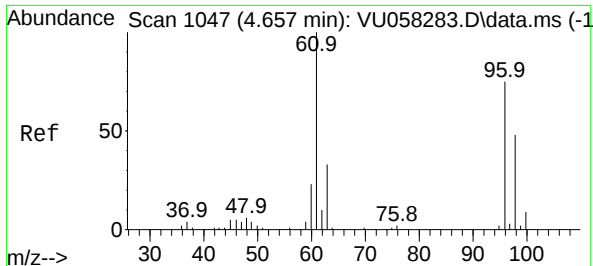
Tgt Ion:	96	Resp:	588
Ion	Ratio	Lower	Upper
96	100		
61	149.6	102.5	190.3
98	71.6	44.0	81.8



#19
1,1-Dichloroethane
Concen: 1.908 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

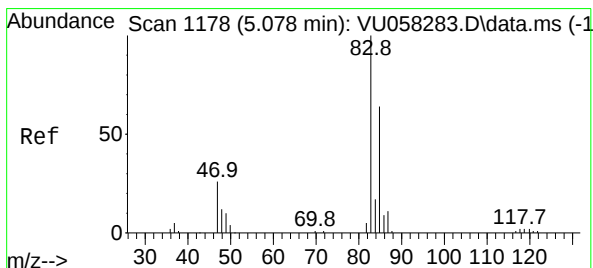
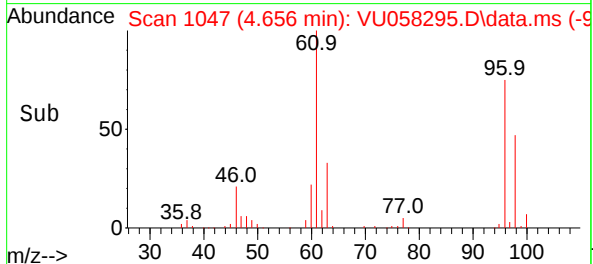
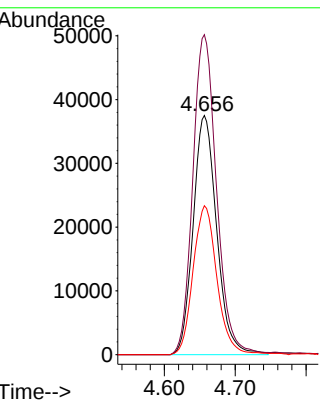
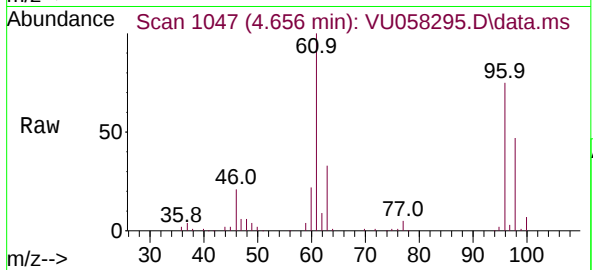
Tgt Ion:	63	Resp:	12077
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.3	41.5
83	13.2	10.0	18.6





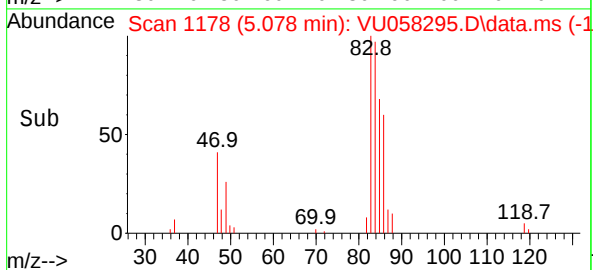
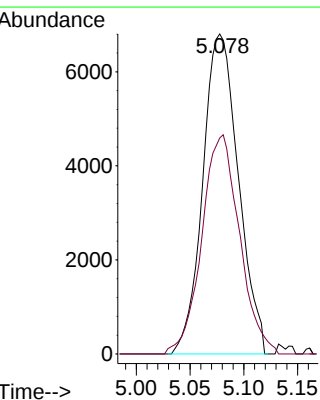
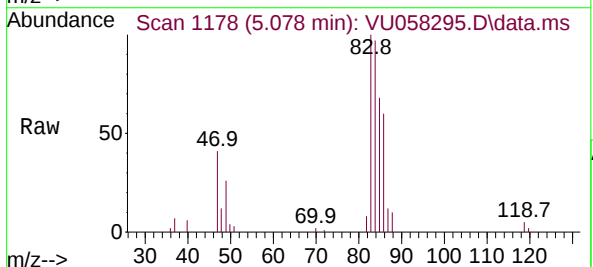
#22
cis-1,2-Dichloroethene
Concen: 24.940 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

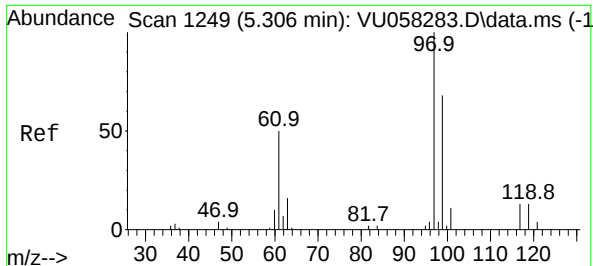
Tgt Ion:	96	Resp:	86818
Ion	Ratio	Lower	Upper
96	100		
61	133.8	92.8	172.4
98	62.3	43.2	80.2



#25
Chloroform
Concen: 2.363 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

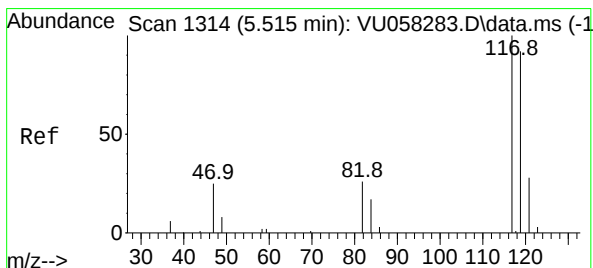
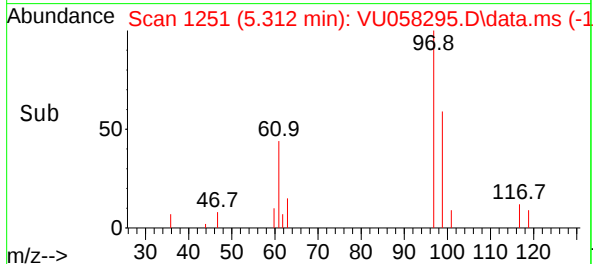
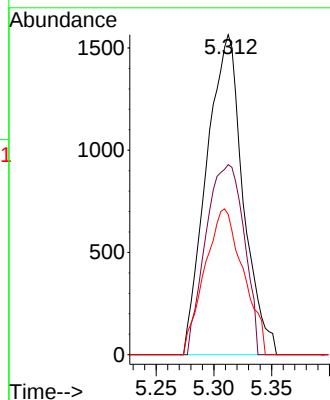
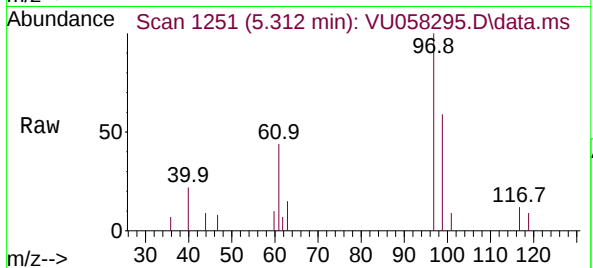
Tgt Ion:	83	Resp:	15683
Ion	Ratio	Lower	Upper
83	100		
85	67.5	47.9	88.9





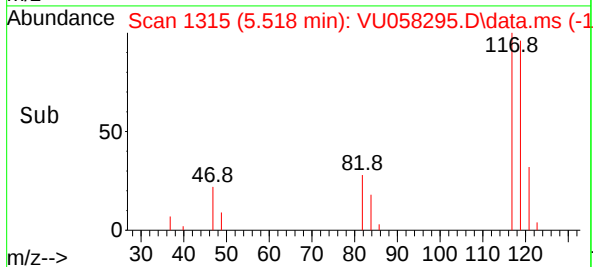
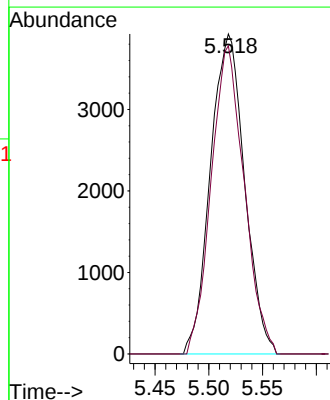
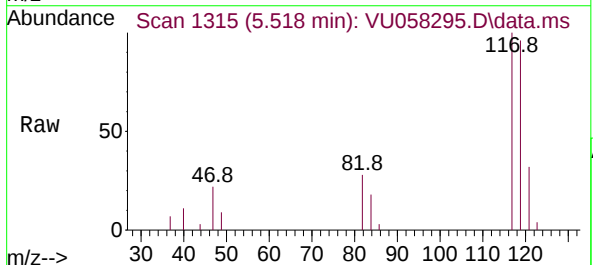
#29
1,1,1-Trichloroethane
Concen: 0.655 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

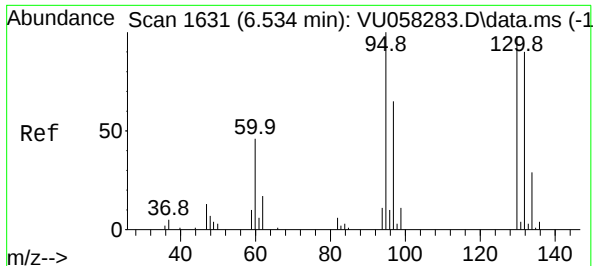
Tgt Ion: 97 Resp: 3441
Ion Ratio Lower Upper
97 100
99 62.3 50.5 75.7
61 48.2 36.3 54.5



#31
Carbon tetrachloride
Concen: 1.936 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

Tgt Ion: 117 Resp: 8660
Ion Ratio Lower Upper
117 100
119 92.9 78.1 117.1





#34

Trichloroethene

Concen: 268.977 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU058295.D

Acq: 30 Mar 2024 01:41

Tgt Ion: 95 Resp: 935493

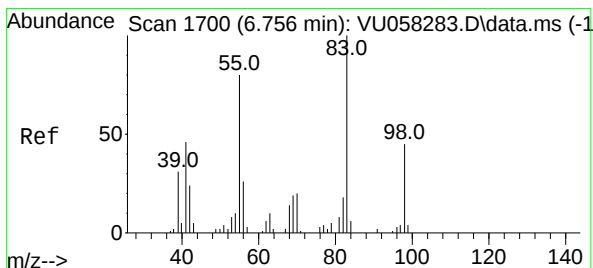
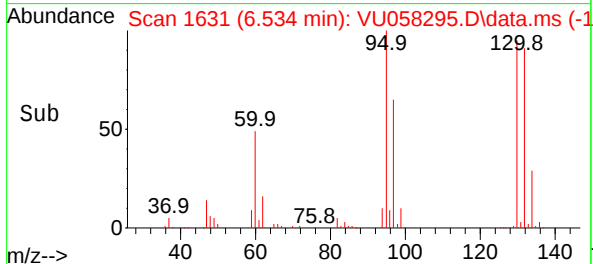
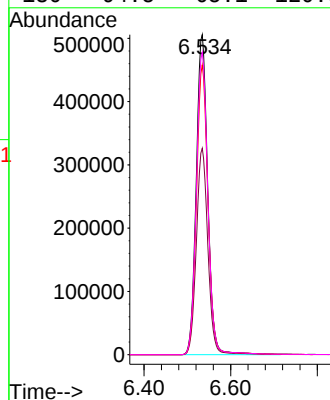
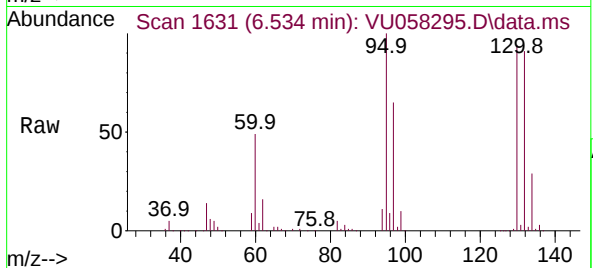
Ion Ratio Lower Upper

95 100

97 64.5 47.7 88.7

132 90.5 63.6 118.2

130 94.5 65.1 120.9



#35

Methylcyclohexane

Concen: 1.408 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058295.D

Acq: 30 Mar 2024 01:41

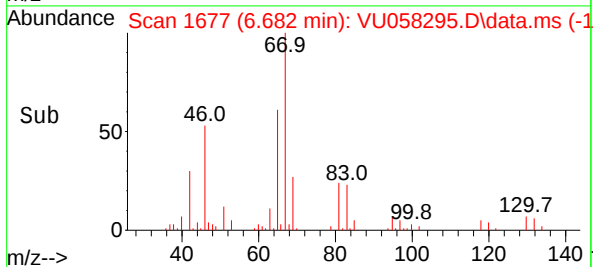
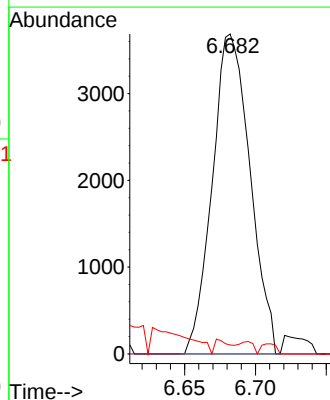
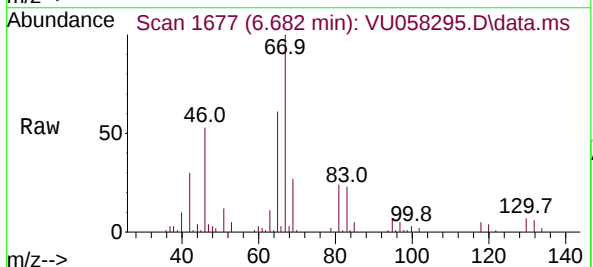
Tgt Ion: 83 Resp: 6829

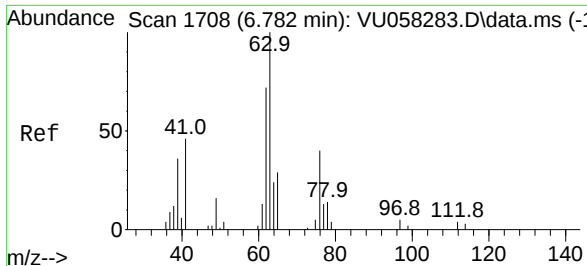
Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.0 37.3 55.9#





#37

1,2-Dichloropropane

Concen: 0.877 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058295.D

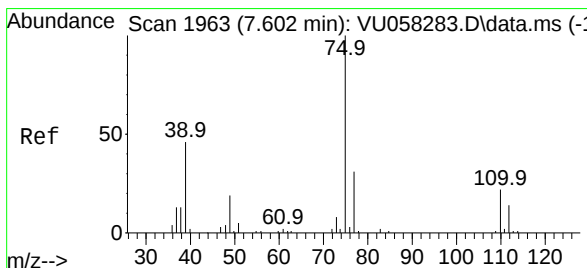
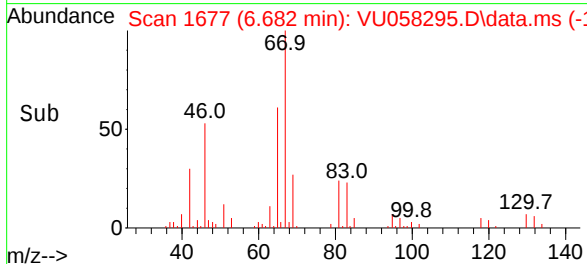
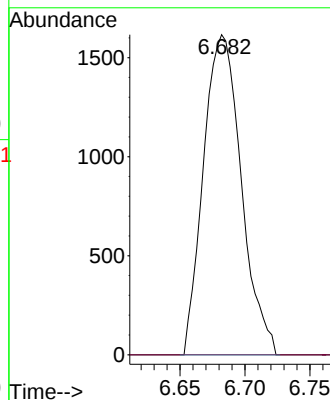
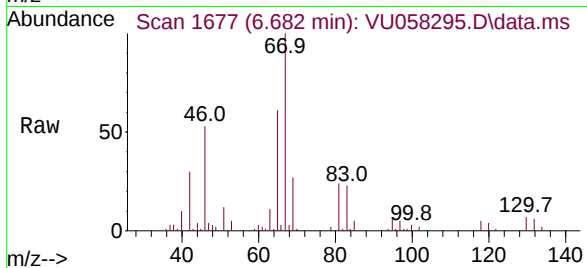
Acq: 30 Mar 2024 01:41

Tgt Ion: 63 Resp: 3272

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#39

cis-1,3-Dichloropropene

Concen: 0.138 ug/L

RT: 7.557 min Scan# 1949

Delta R.T. -0.045 min

Lab File: VU058295.D

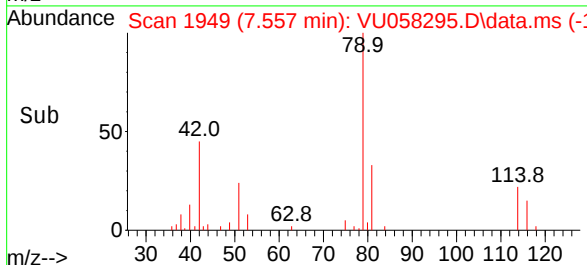
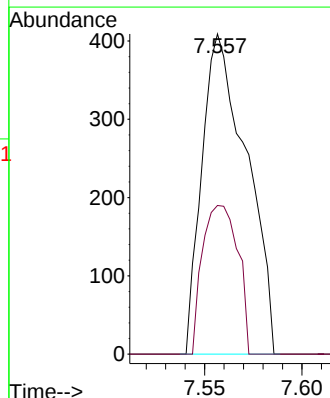
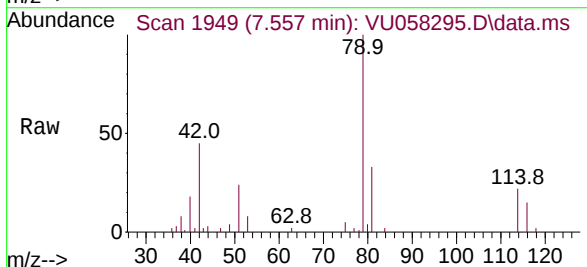
Acq: 30 Mar 2024 01:41

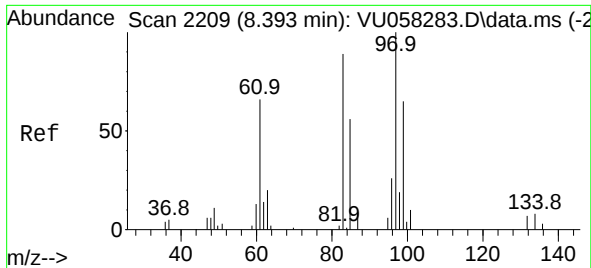
Tgt Ion: 75 Resp: 651

Ion Ratio Lower Upper

75 100

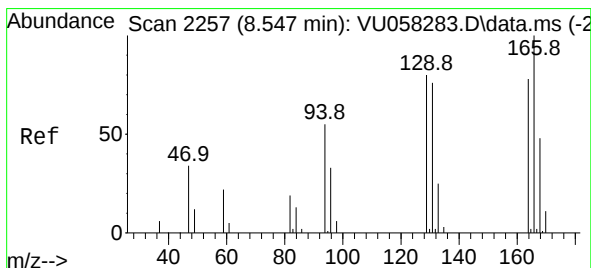
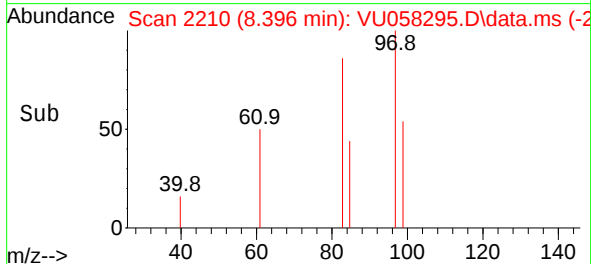
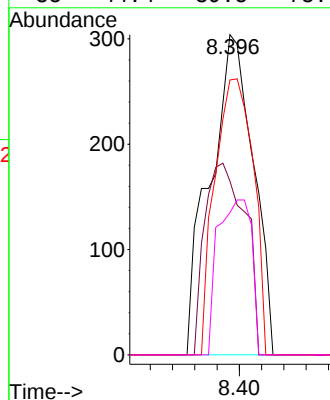
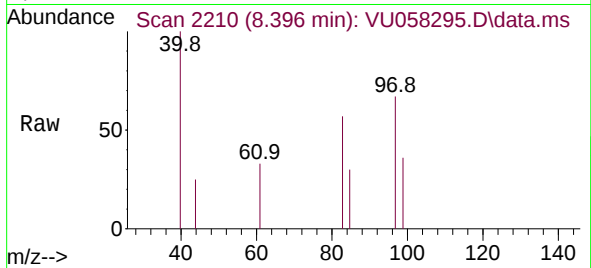
77 46.5 21.4 39.8#





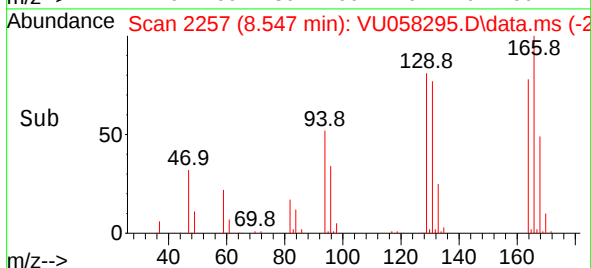
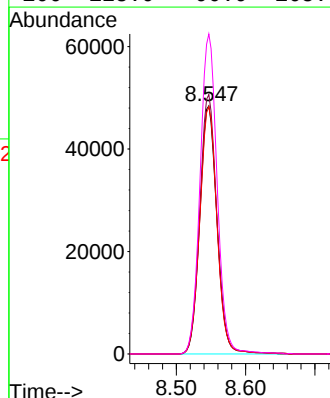
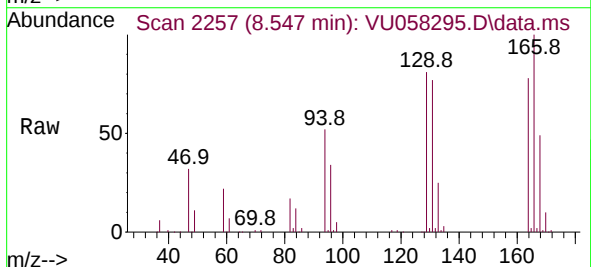
#45
1,1,2-Trichloroethane
Concen: 0.175 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

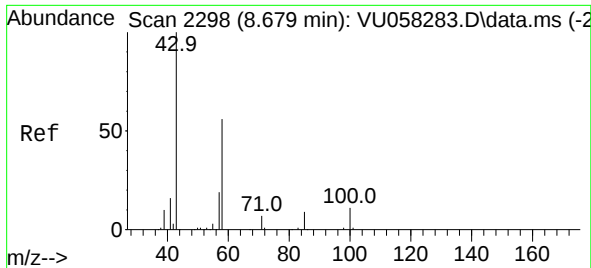
Tgt Ion: 97	Resp: 411
Ion Ratio	Lower Upper
97 100	
99 54.3	44.5 82.7
83 85.9	64.1 119.1
85 44.4	39.5 73.4



#47
Tetrachloroethene
Concen: 35.972 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

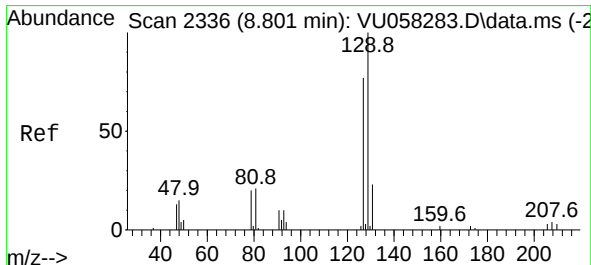
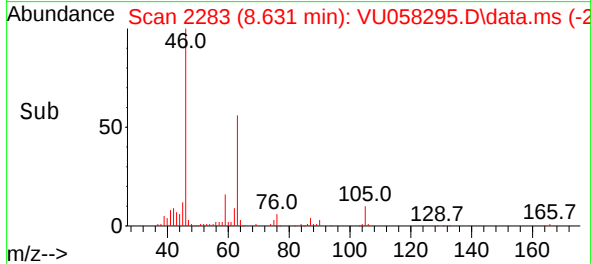
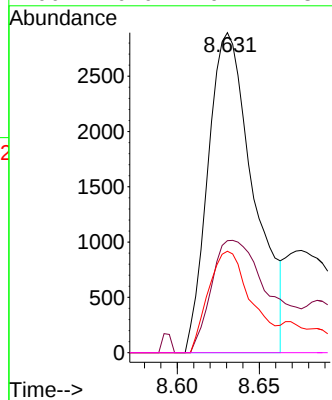
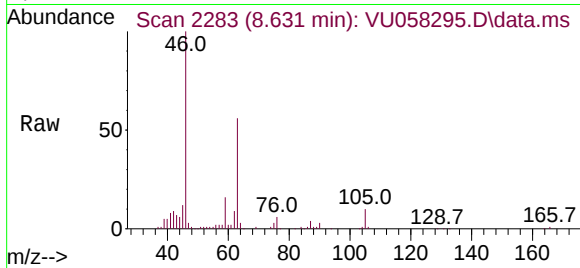
Tgt	Ion:164	Resp:	83798
Ion	Ratio	Lower	Upper
164	100		
129	104.5	71.3	132.3
131	99.6	70.8	131.4
166	128.9	90.9	168.9





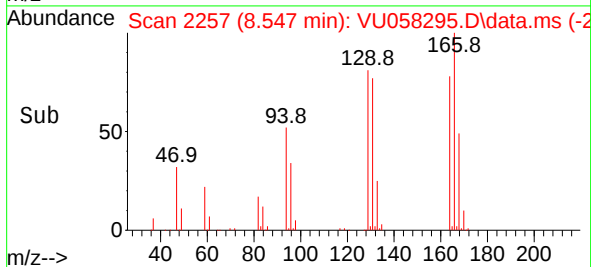
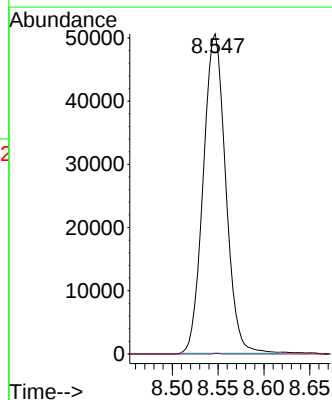
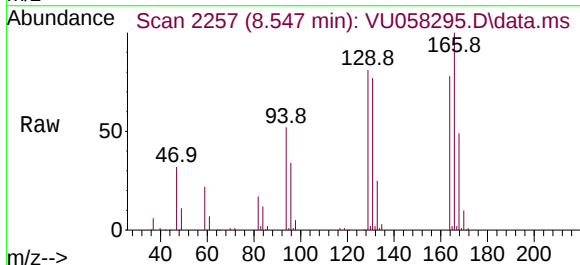
#48
2-Hexanone
Concen: 4.071 ug/L
RT: 8.631 min Scan# 2283
Delta R.T. -0.048 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

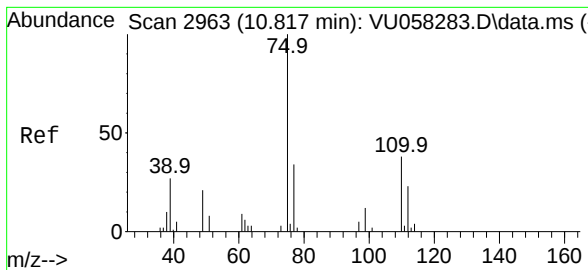
Tgt Ion: 43	Resp: 5590
Ion Ratio	Lower Upper
43	100
58	45.8 48.3 72.5#
57	30.0 16.3 24.5#
100	0.0 9.2 13.8#



#49
Dibromochloromethane
Concen: 33.426 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU058295.D
Acq: 30 Mar 2024 01:41

Tgt Ion: 129	Resp: 85915
Ion Ratio	Lower Upper
129	100
127	0.2 55.7 103.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.635 ug/L
 RT: 11.807 min Scan# 3271
 Delta R.T. 0.990 min
 Lab File: VU058295.D
 Acq: 30 Mar 2024 01:41

Tgt Ion: 75 Resp: 3017
 Ion Ratio Lower Upper
 75 100
 110 0.0 28.1 42.1#
 77 30.7 25.1 37.7

