

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060899.D
 Acq On : 19 Sep 2024 15:31
 Operator : MD/SY
 Sample : P3952-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B31

Quant Time: Sep 19 23:58:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 23:54:48 2024
 Response via : Initial Calibration

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

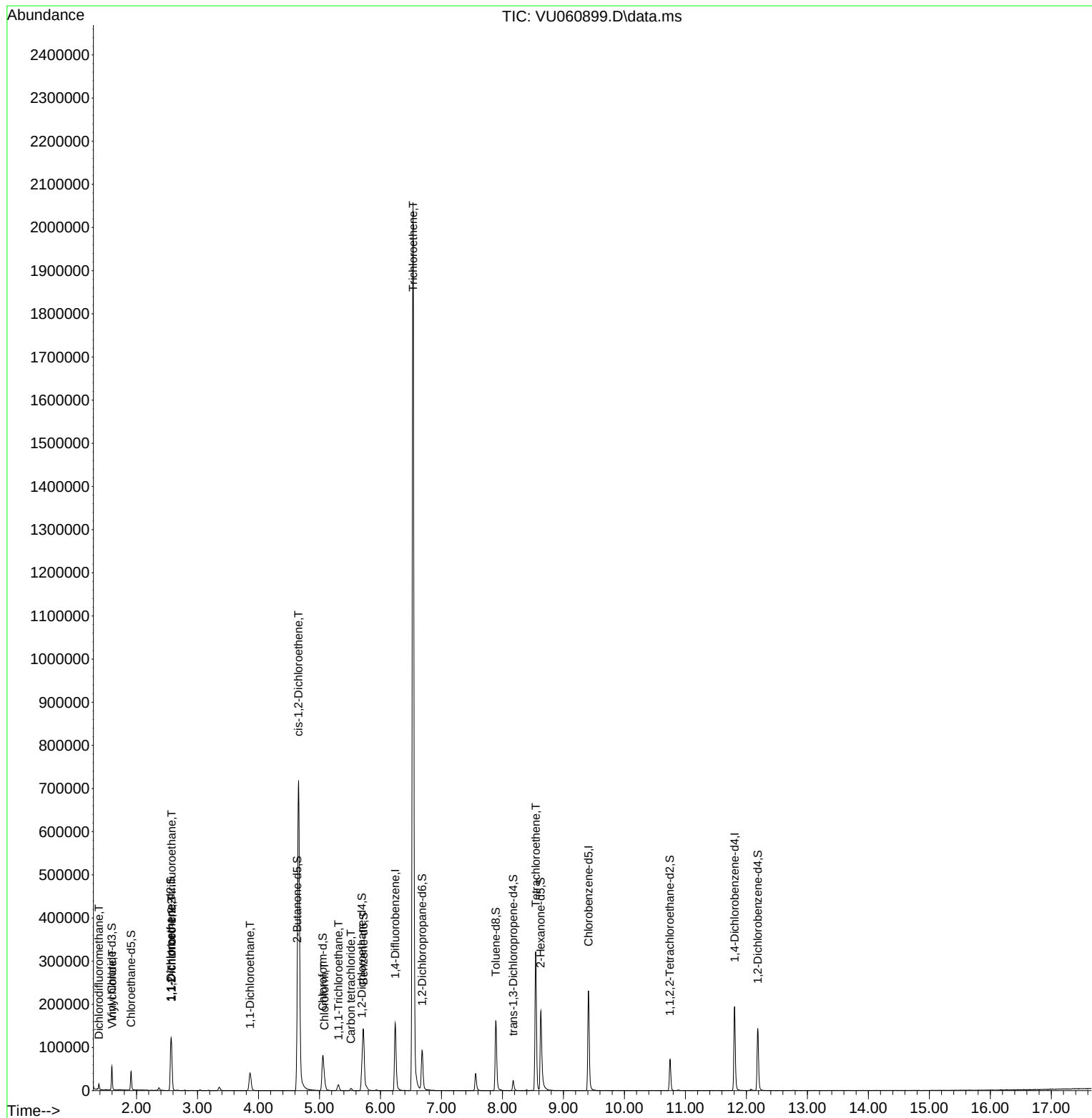
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	134975	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144996	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59885	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34420	2.835	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.800%
7) Chloroethane-d5	1.911	69	31707	3.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.560	65	14060	3.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.634	46	79992	41.044	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.080%
24) Chloroform-d	5.055	84	76124	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.695	65	38838	4.378	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.721	84	142435	3.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.685	67	48295	4.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.891	98	120197	3.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	8.177	79	15106	3.490	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.800%
46) 2-Hexanone-d5	8.627	63	69358	40.623	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.240%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	39153	4.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	43199	4.293	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	7003	0.687	ug/L	99
5) Vinyl chloride	1.602	62	5336	0.458	ug/L	83
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	4480	0.482	ug/L	86
12) 1,1-Dichloroethene	2.576	96	23740	2.796	ug/L	97
19) 1,1-Dichloroethane	3.862	63	49856	2.822	ug/L	94
22) cis-1,2-Dichloroethene	4.656	96	395325	40.601	ug/L	96
25) Chloroform	5.081	83	18597	1.010	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	10740	0.686	ug/L	94
31) Carbon tetrachloride	5.515	117	3644	0.263	ug/L	91
34) Trichloroethene	6.534	95	721270	69.011	ug/L	95
47) Tetrachloroethene	8.547	164	78263	9.423	ug/L	98

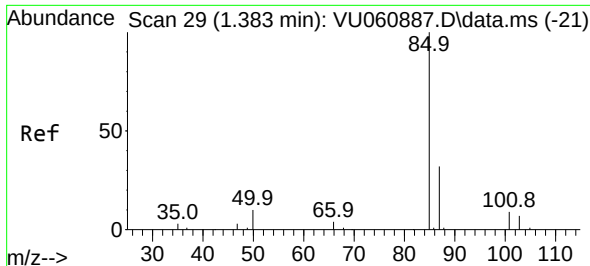
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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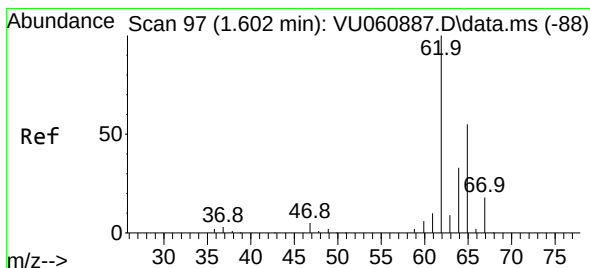
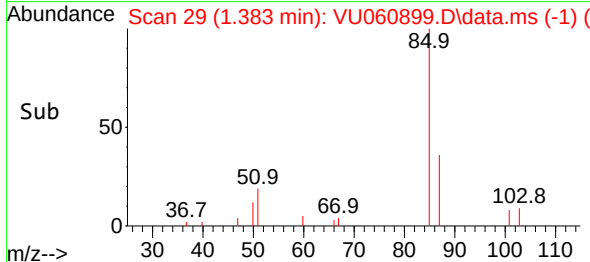
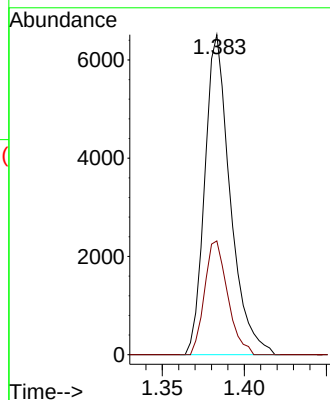
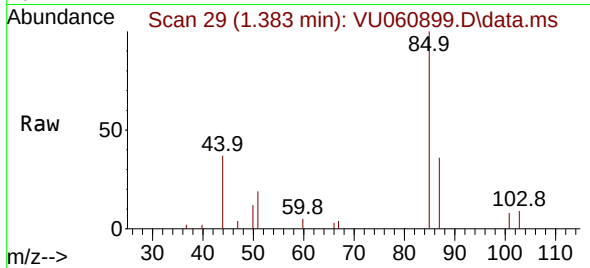




#2
Dichlorodifluoromethane
Concen: 0.687 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

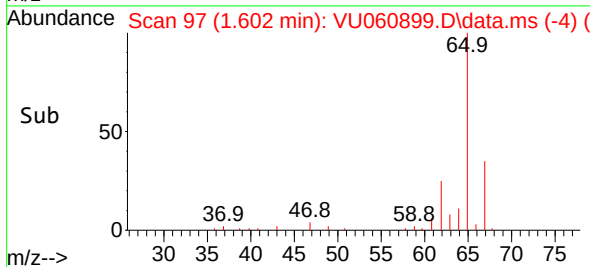
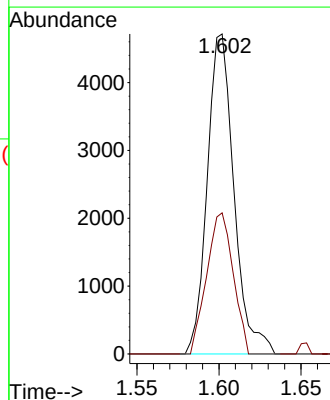
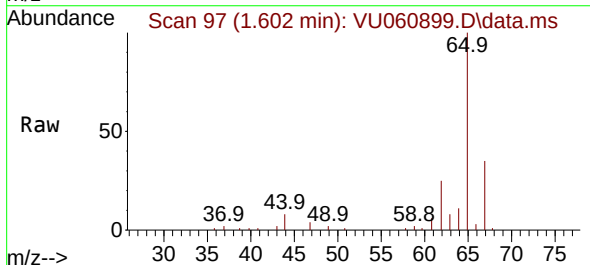
Instrument :
MSVOA_U
ClientSampleId :
C0B31

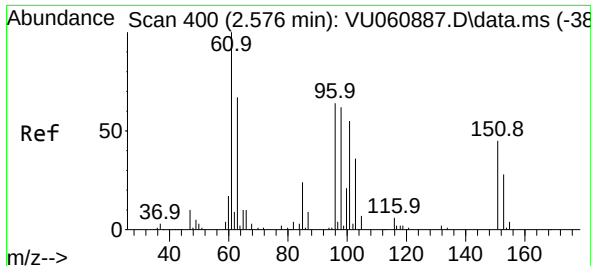
Tgt Ion: 85 Resp: 7003
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.2



#5
Vinyl chloride
Concen: 0.458 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 62 Resp: 5336
Ion Ratio Lower Upper
62 100
64 44.1 24.0 44.6

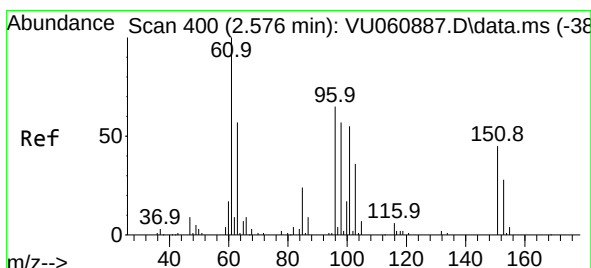
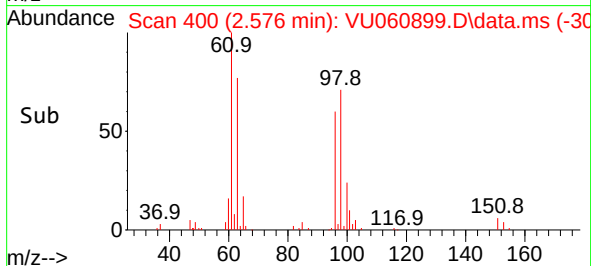
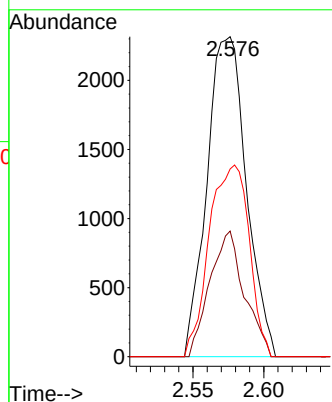
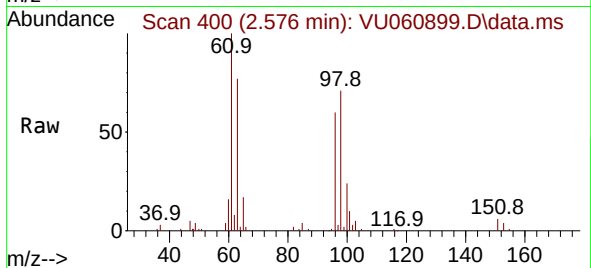




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.482 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

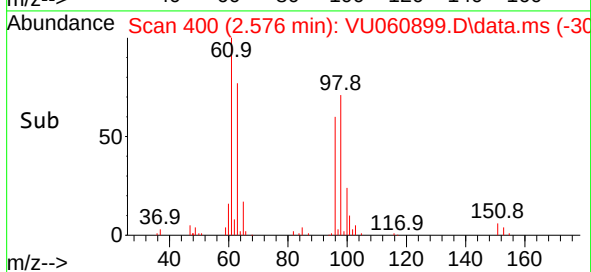
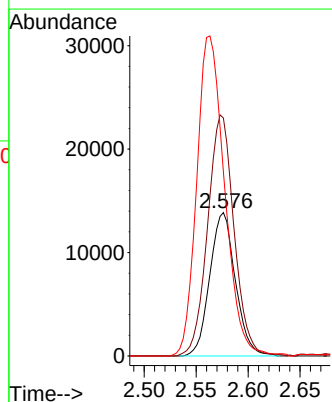
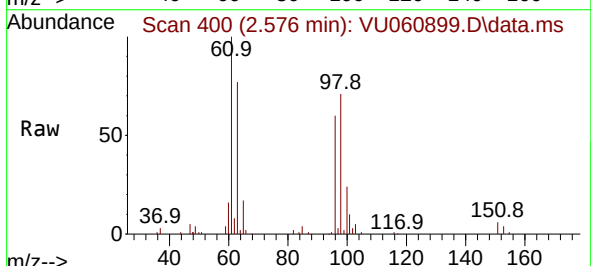
Instrument :
MSVOA_U
ClientSampleId :
C0B31

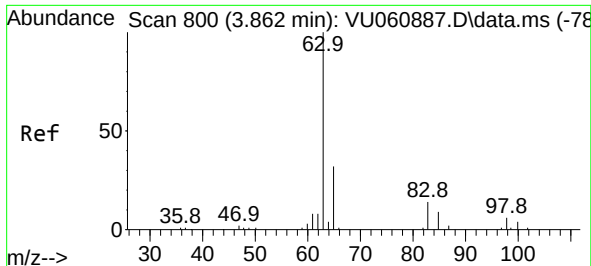
Tgt Ion:101 Resp: 4480
Ion Ratio Lower Upper
101 100
85 34.5 34.2 51.4
151 60.8 58.6 88.0



#12
1,1-Dichloroethene
Concen: 2.796 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 96 Resp: 23740
Ion Ratio Lower Upper
96 100
61 166.0 120.7 224.1
63 128.3 90.0 167.2





#19

1,1-Dichloroethane

Concen: 2.822 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

C0B31

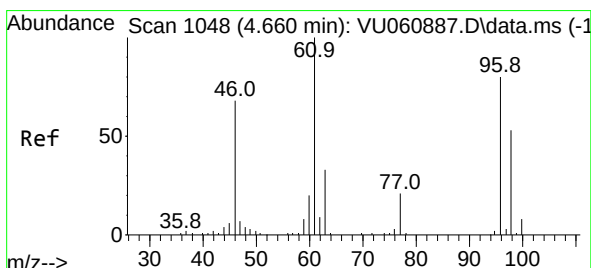
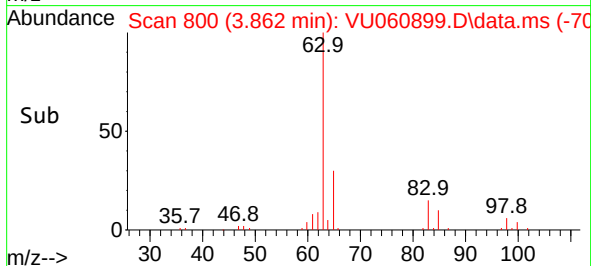
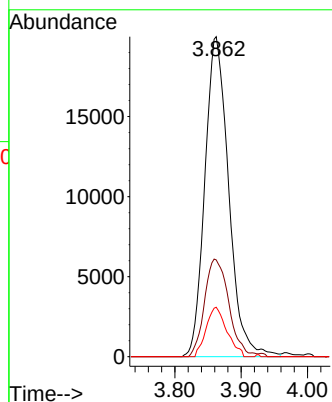
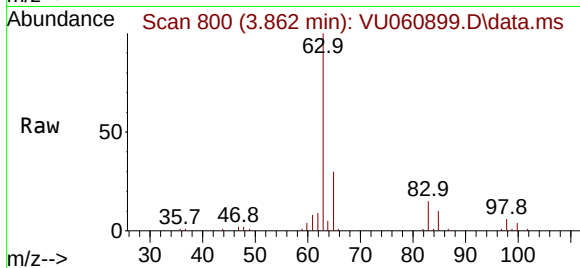
Tgt Ion: 63 Resp: 49856

Ion Ratio Lower Upper

63 100

65 29.2 23.0 42.8

83 14.7 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 40.601 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

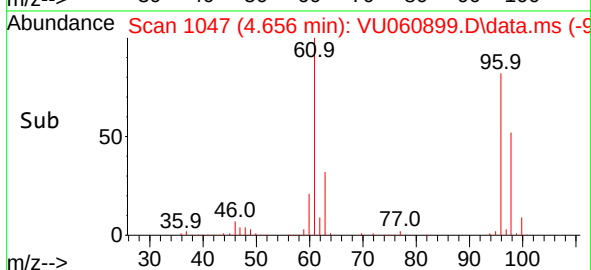
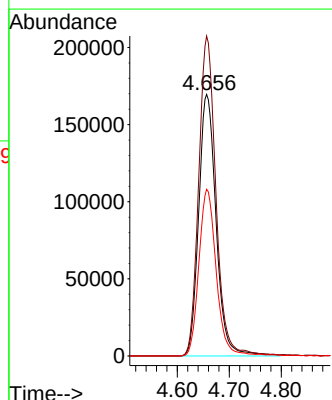
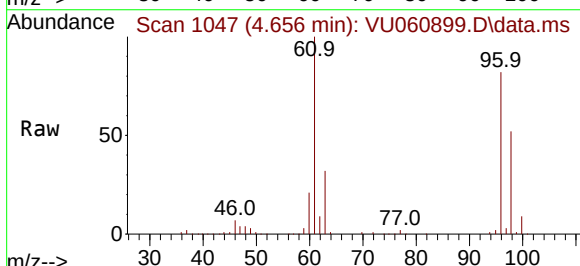
Tgt Ion: 96 Resp: 395325

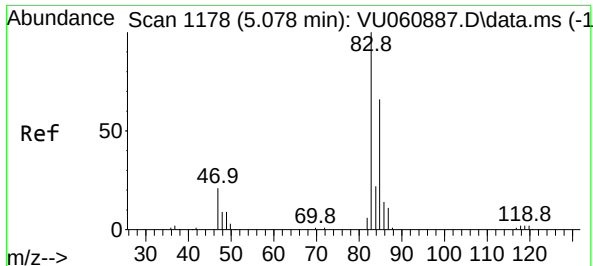
Ion Ratio Lower Upper

96 100

61 122.3 89.7 166.5

98 63.7 45.1 83.9





#25

Chloroform

Concen: 1.010 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

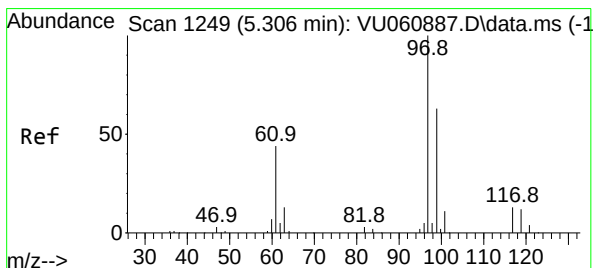
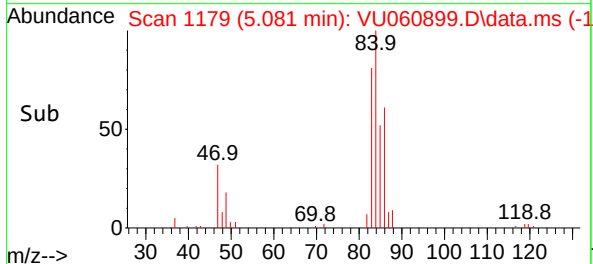
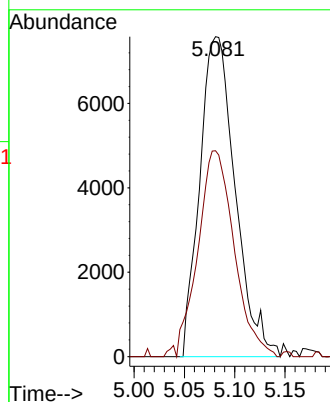
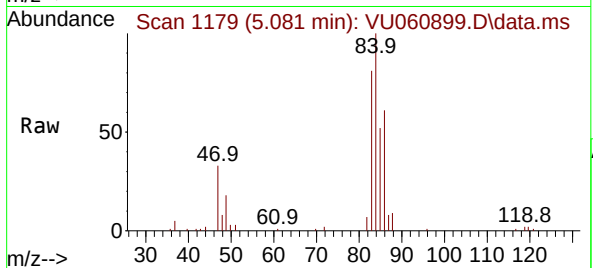
C0B31

Tgt Ion: 83 Resp: 18597

Ion Ratio Lower Upper

83 100

85 64.3 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 0.686 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

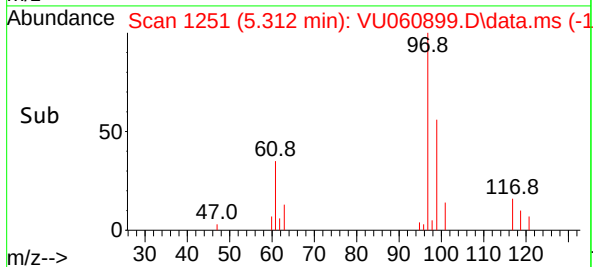
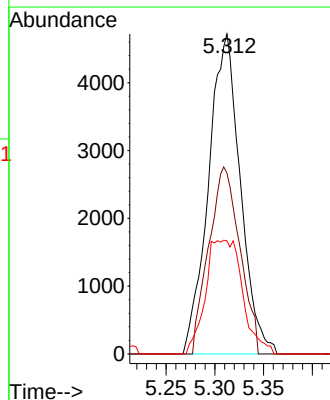
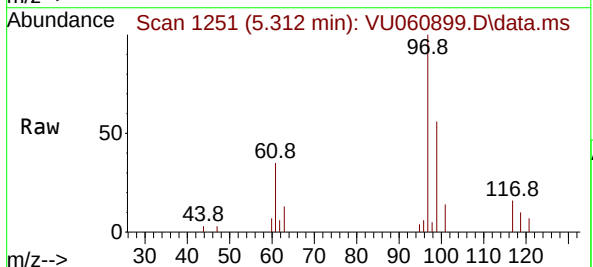
Tgt Ion: 97 Resp: 10740

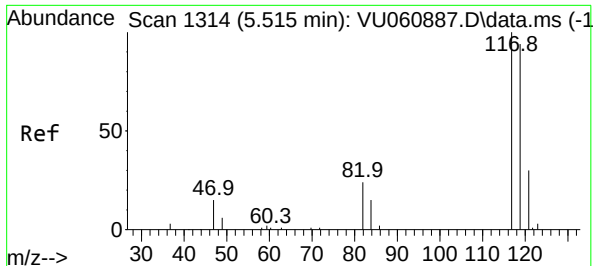
Ion Ratio Lower Upper

97 100

99 57.0 50.5 75.7

61 41.2 34.4 51.6

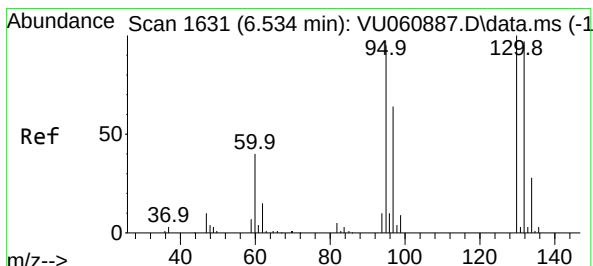
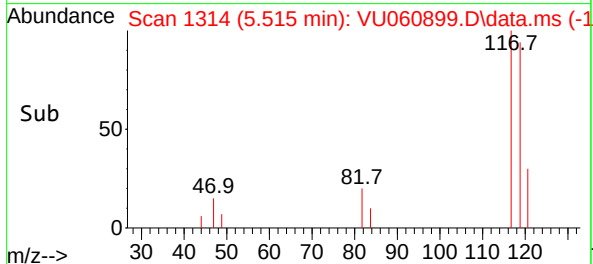
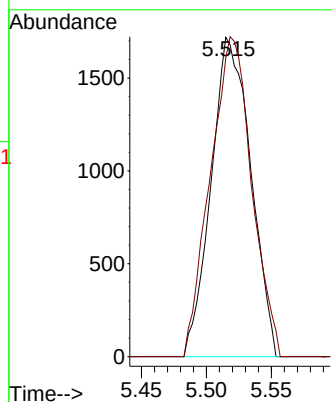
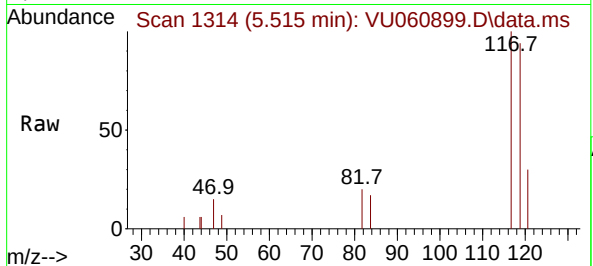




#31
Carbon tetrachloride
Concen: 0.263 ug/L
RT: 5.515 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

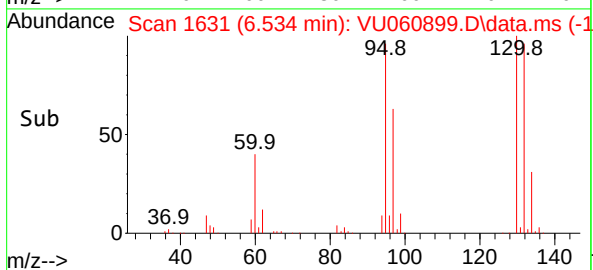
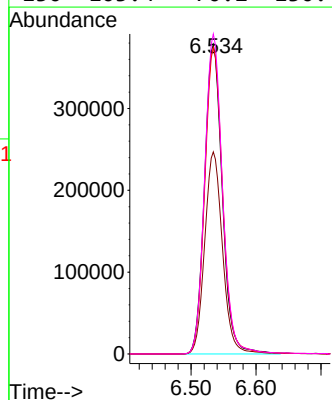
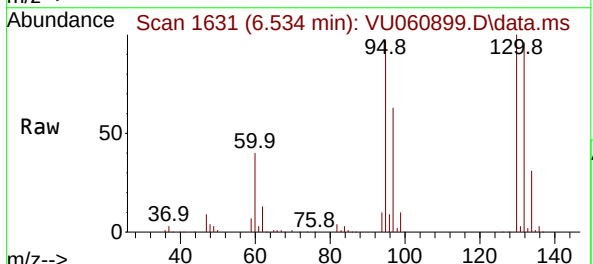
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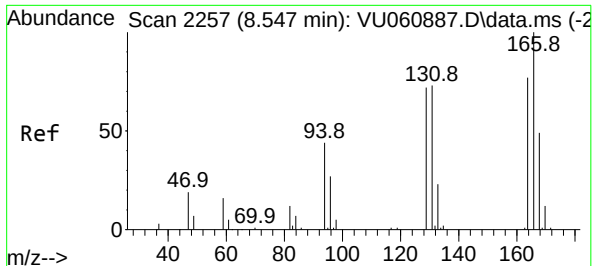
Tgt Ion:117 Resp: 3644
Ion Ratio Lower Upper
117 100
119 104.4 76.3 114.5



#34
Trichloroethene
Concen: 69.011 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

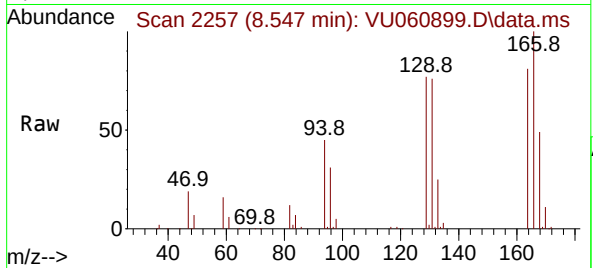
Tgt Ion: 95 Resp: 721270
Ion Ratio Lower Upper
95 100
97 65.3 44.9 83.5
132 99.0 63.5 117.9
130 103.4 70.2 130.4





#47
 Tetrachloroethene
 Concen: 9.423 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU060899.D
 Acq: 19 Sep 2024 15:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B31



Tgt Ion:	164	Resp:	78263
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.3	124.9
131	94.3	65.4	121.4
166	123.4	89.5	166.1

