

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052337.D
 Acq On : 10 Dec 2022 05:33
 Operator : JC/MD
 Sample : N5930-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZB0

Quant Time: Dec 10 05:50:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

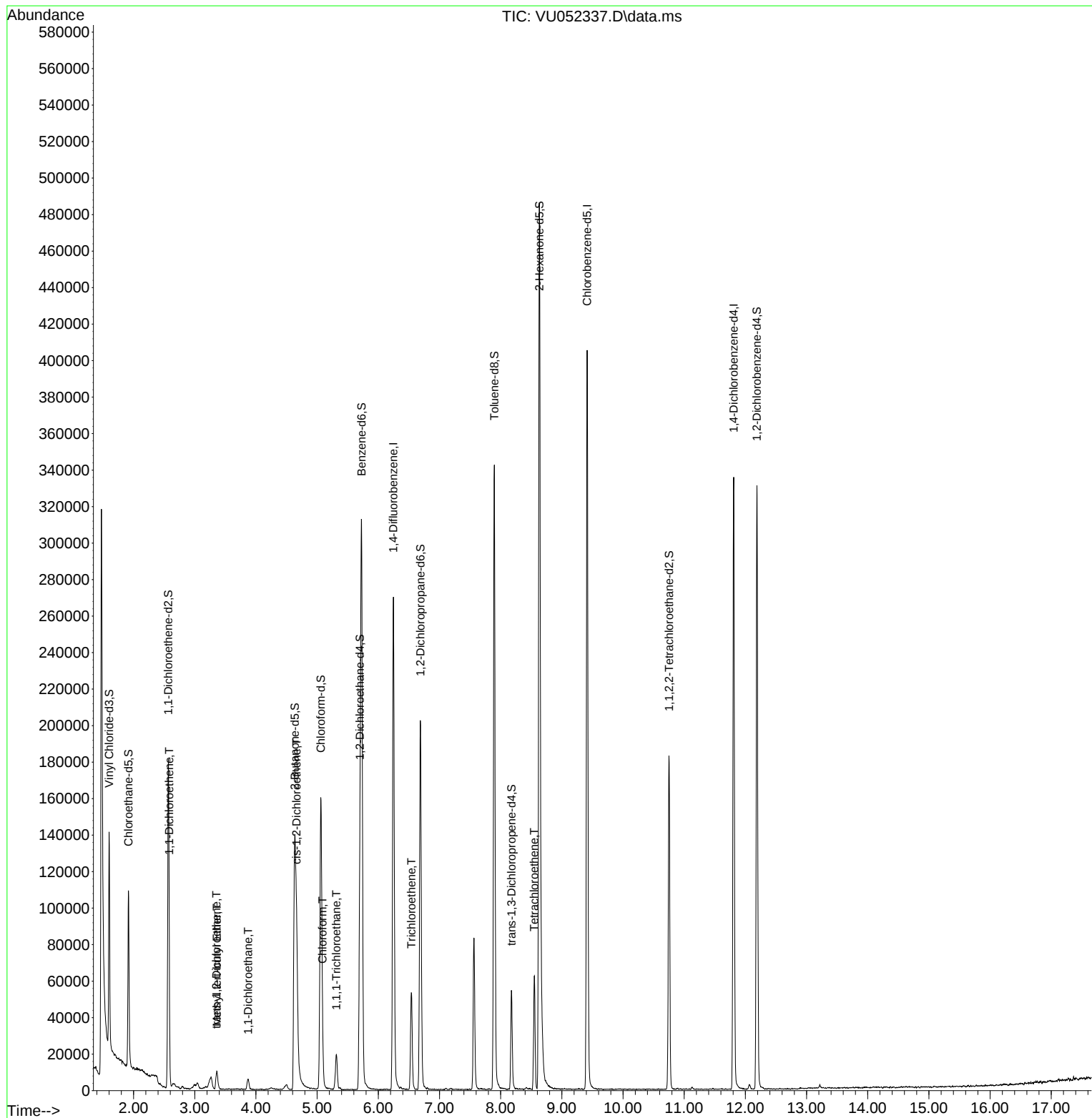
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	221164	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	234230	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95728	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87491	4.067	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.916	69	73980	4.427	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.568	65	33646	4.363	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.636	46	243761	62.512	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.020%
24) Chloroform-d	5.060	84	152758	4.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.700	65	82001	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.726	84	307769	4.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.687	67	102392	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.896	98	240943	3.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	8.176	79	32298	4.118	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.632	63	164321	49.443	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.880%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	96528	5.173	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	93808	5.118	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	2858	0.178	ug/L #	1
17) Methyl tert-butyl Ether	3.363	73	7511	0.209	ug/L #	94
18) trans-1,2-Dichloroethene	3.356	96	1875	0.109	ug/L	81
19) 1,1-Dichloroethane	3.871	63	7296	0.235	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	24015	1.331	ug/L	95
25) Chloroform	5.089	83	15272	0.486	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	13679	0.526	ug/L	96
34) Trichloroethene	6.543	95	19502	1.026	ug/L	93
47) Tetrachloroethene	8.549	164	14228	0.976	ug/L	96

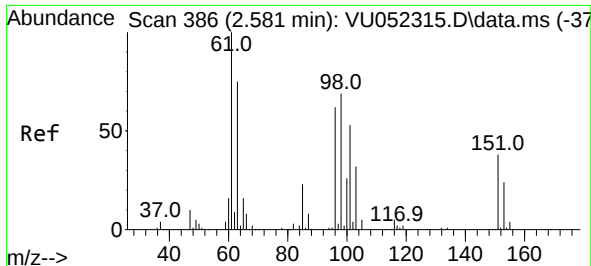
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.178 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU052337.D

Acq: 10 Dec 2022 05:33

Instrument :

MSVOA_U

ClientSampleId :

EXZB0

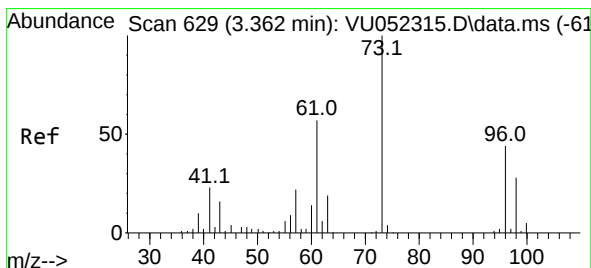
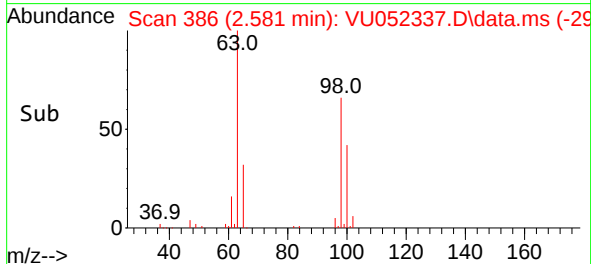
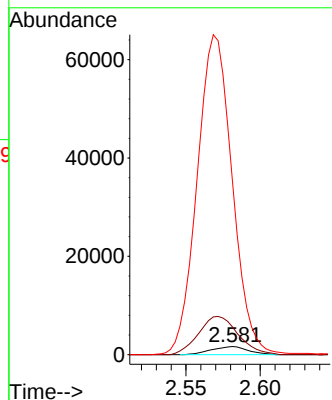
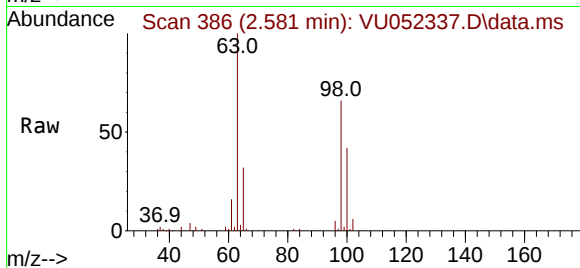
Tgt Ion: 96 Resp: 2858

Ion Ratio Lower Upper

96 100

61 341.9 114.8 213.2#

63 2130.3 93.7 174.1#



#17

Methyl tert-butyl Ether

Concen: 0.209 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU052337.D

Acq: 10 Dec 2022 05:33

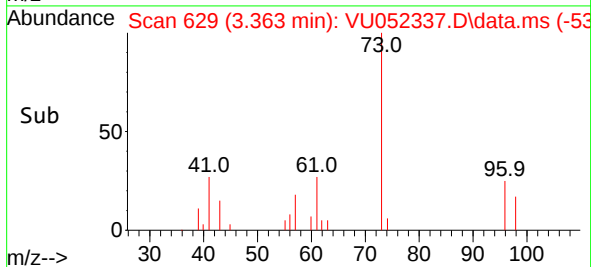
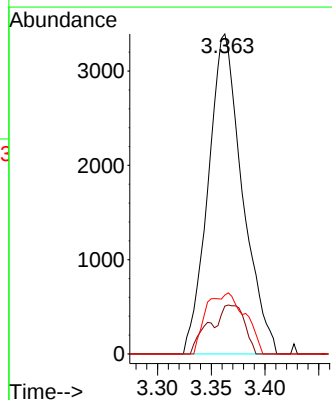
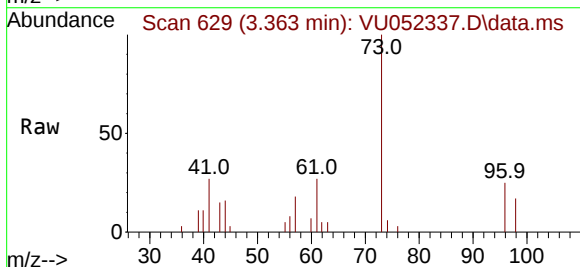
Tgt Ion: 73 Resp: 7511

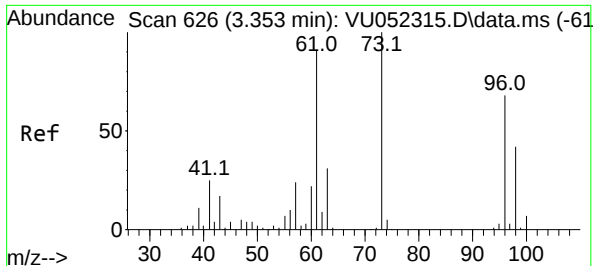
Ion Ratio Lower Upper

73 100

43 10.9 13.2 19.8#

57 21.7 17.8 26.8





#18

trans-1,2-Dichloroethene

Concen: 0.109 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052337.D

Acq: 10 Dec 2022 05:33

Instrument :

MSVOA_U

ClientSampleId :

EXZB0

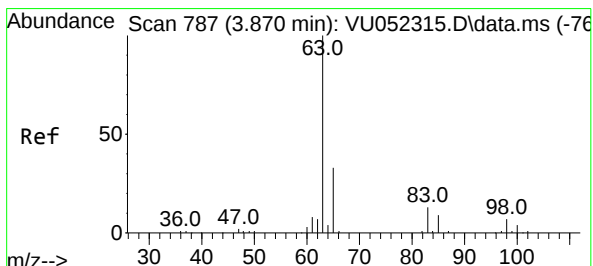
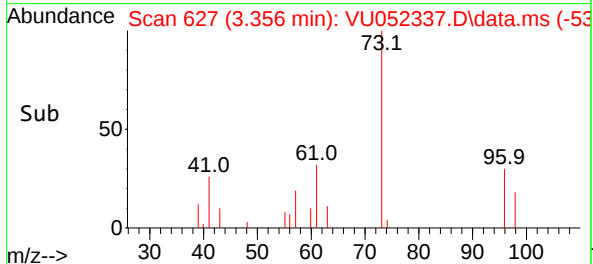
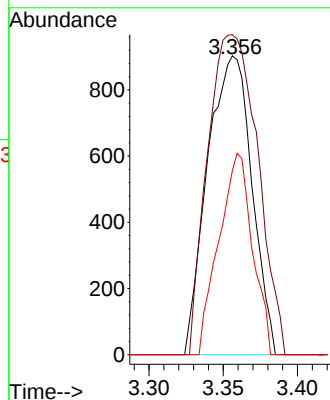
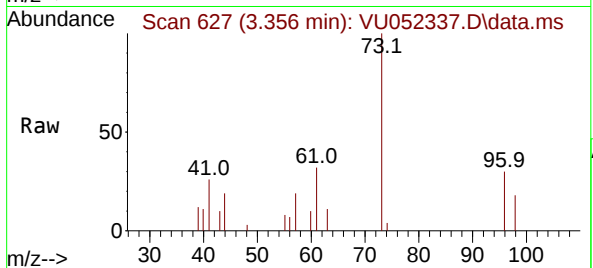
Tgt Ion: 96 Resp: 1875

Ion Ratio Lower Upper

96 100

61 107.1 97.9 181.7

98 61.6 43.8 81.3



#19

1,1-Dichloroethane

Concen: 0.235 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU052337.D

Acq: 10 Dec 2022 05:33

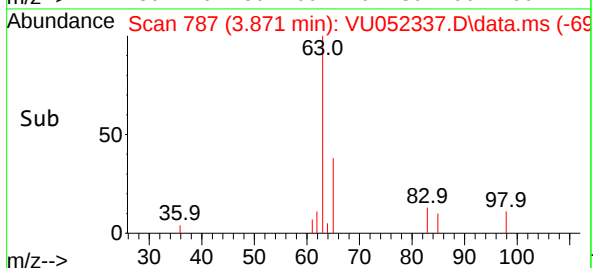
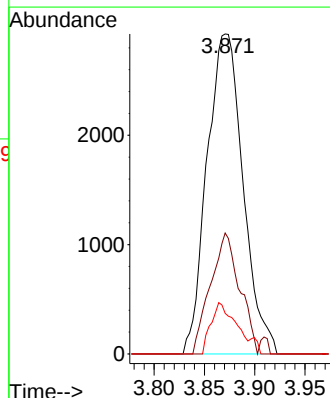
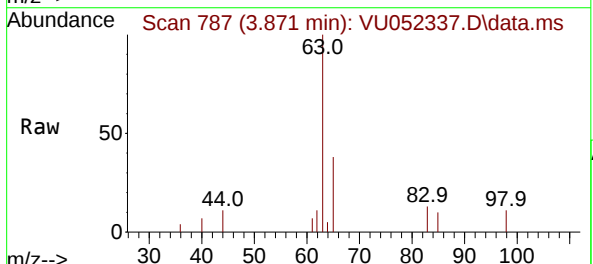
Tgt Ion: 63 Resp: 7296

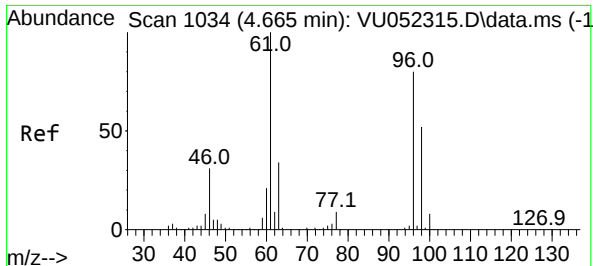
Ion Ratio Lower Upper

63 100

65 37.8 22.2 41.2

83 12.7 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 1.331 ug/L

RT: 4.665 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VU052337.D

Acq: 10 Dec 2022 05:33

Instrument :

MSVOA_U

ClientSampleId :

EXZB0

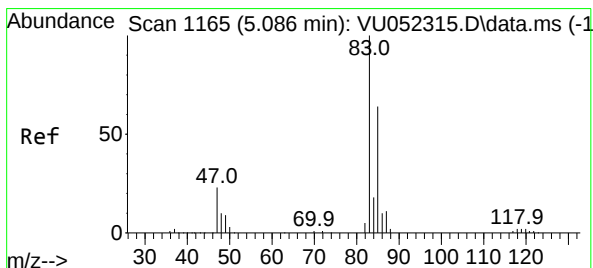
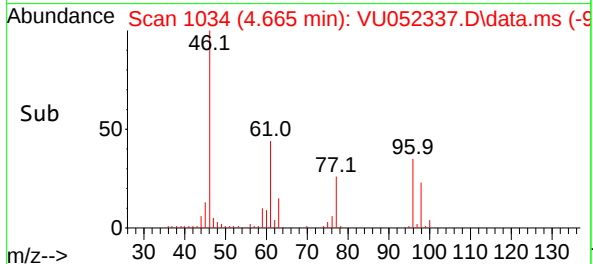
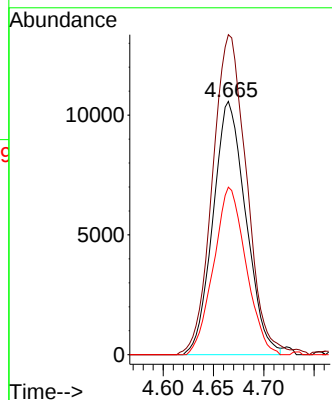
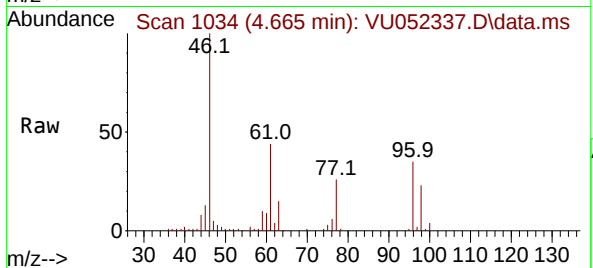
Tgt Ion: 96 Resp: 24015

Ion Ratio Lower Upper

96 100

61 126.4 85.1 158.1

98 66.2 42.8 79.6



#25

Chloroform

Concen: 0.486 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU052337.D

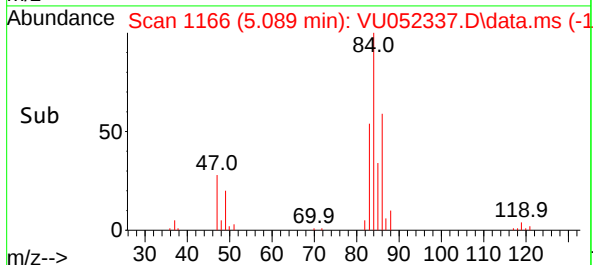
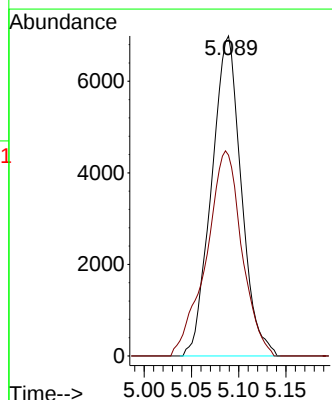
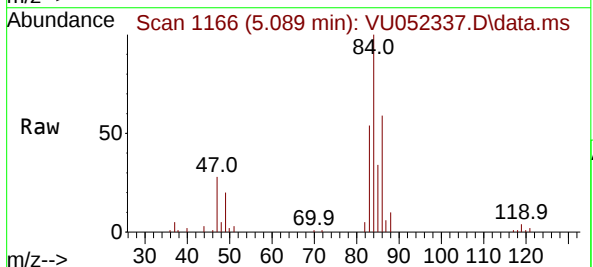
Acq: 10 Dec 2022 05:33

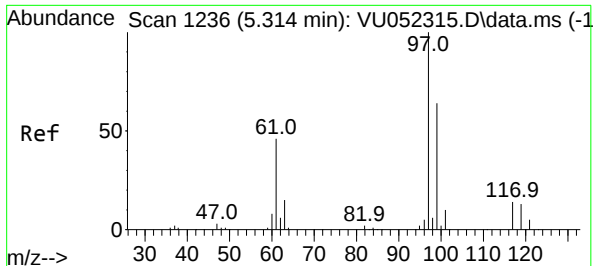
Tgt Ion: 83 Resp: 15272

Ion Ratio Lower Upper

83 100

85 62.7 43.8 81.4



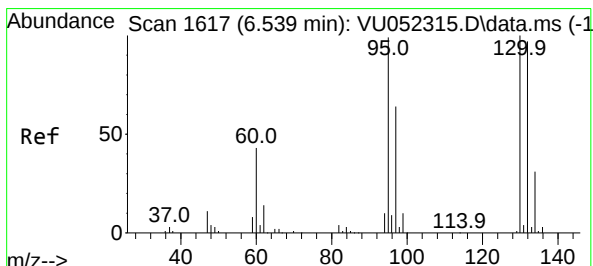
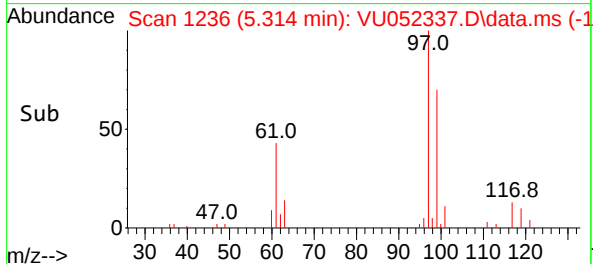
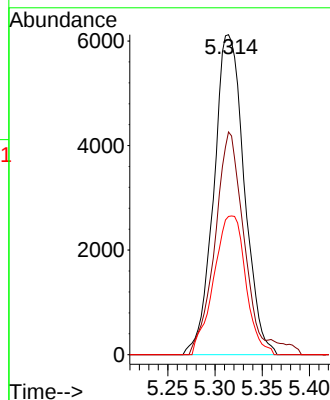
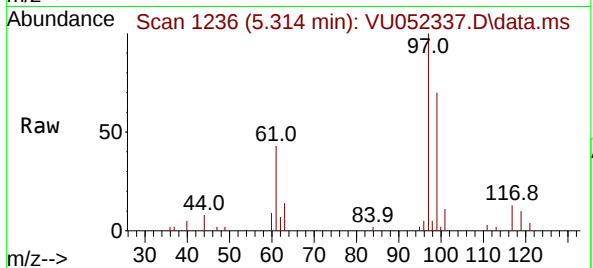


#29
1,1,1-Trichloroethane
Concen: 0.526 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052337.D
Acq: 10 Dec 2022 05:33

Instrument :
MSVOA_U
ClientSampleId :
EXZB0

Tgt Ion: 97 Resp: 13679

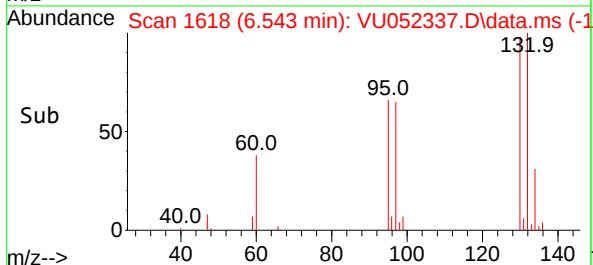
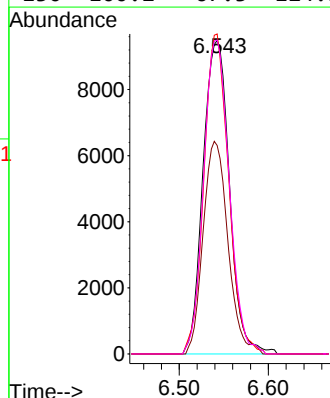
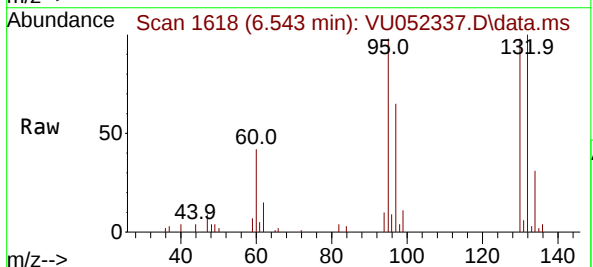
Ion	Ratio	Lower	Upper
97	100		
99	68.2	51.0	76.6
61	45.6	36.9	55.3

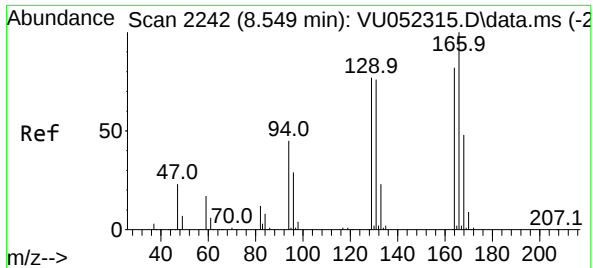


#34
Trichloroethene
Concen: 1.026 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU052337.D
Acq: 10 Dec 2022 05:33

Tgt Ion: 95 Resp: 19502

Ion	Ratio	Lower	Upper
95	100		
97	66.5	43.7	81.1
132	102.1	64.3	119.3
130	100.2	67.3	124.9





#47

Tetrachloroethene

Concen: 0.976 ug/L

RT: 8.549 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052337.D

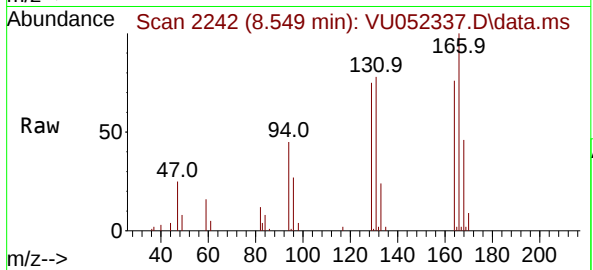
Acq: 10 Dec 2022 05:33

Instrument :

MSVOA_U

ClientSampleId :

EXZB0



Tgt Ion:164 Resp: 14228

Ion Ratio Lower Upper

164 100

129 98.1 67.4 125.2

131 102.2 67.1 124.7

166 131.4 89.7 166.5

