

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121222\
 Data File : VU052354.D
 Acq On : 12 Dec 2022 15:47
 Operator : JC/MD
 Sample : N5930-10DL 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94DL

Quant Time: Dec 13 01:04:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 13 01:01:45 2022
 Response via : Initial Calibration

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

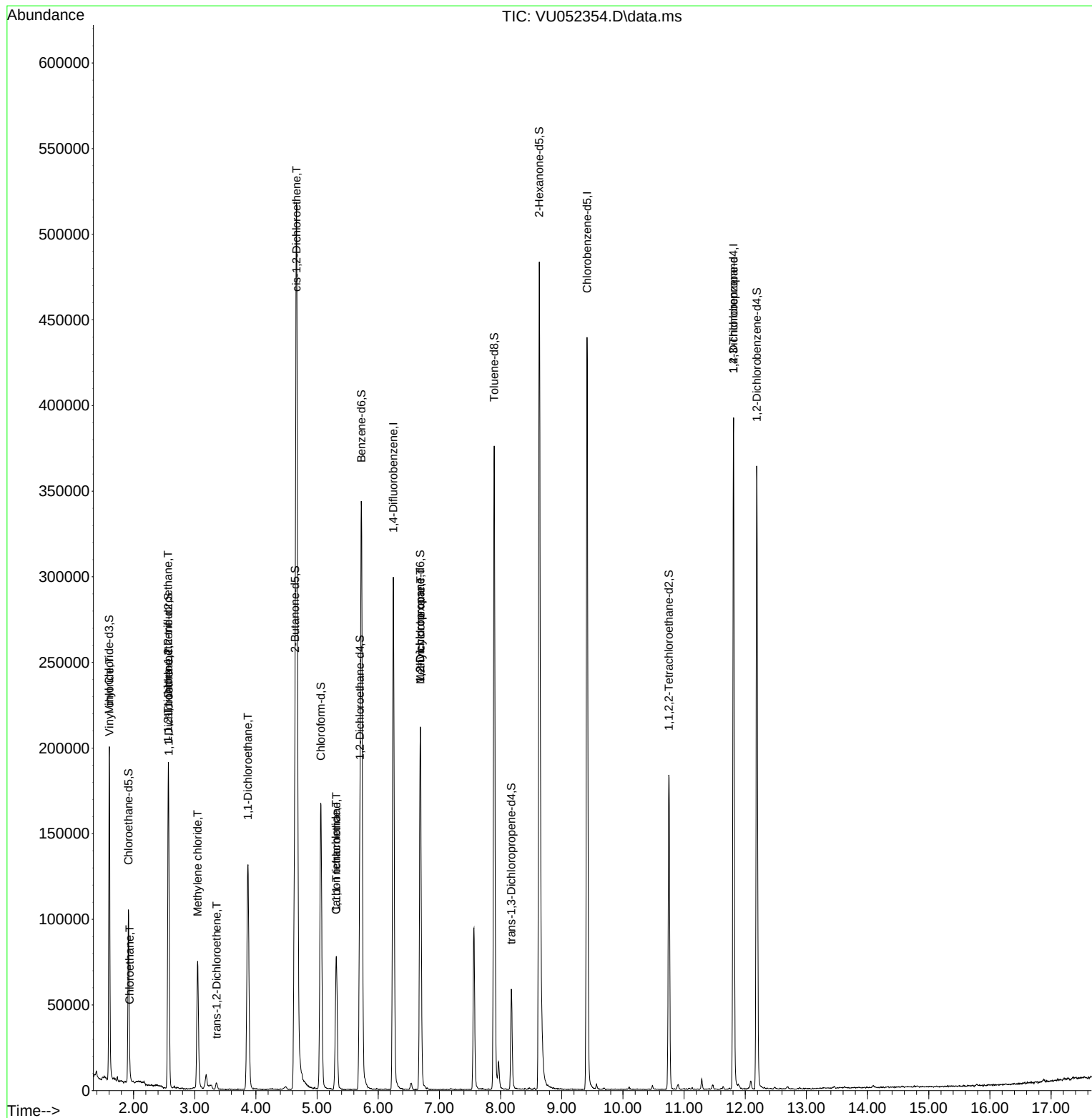
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	254781	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	256493	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	109542	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	86958	3.509	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.916	69	78107	4.058	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.568	65	35332	3.977	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.639	46	247204	55.030	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.060%
24) Chloroform-d	5.063	84	162898	4.474	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.700	65	85463	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.726	84	339790	4.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.687	67	111460	4.730	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.896	98	266844	3.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.176	79	34615	4.031	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.632	63	166982	45.882	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	97502	4.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	100932	4.813	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	67650	2.442	ug/L	97
8) Chloroethane	1.935	64	2304	0.134	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	996	0.053	ug/L #	20
12) 1,1-Dichloroethene	2.575	96	3751	0.203	ug/L #	1
16) Methylene chloride	3.047	84	38595	1.544	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	1918	0.097	ug/L	82
19) 1,1-Dichloroethane	3.870	63	155390	4.352	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	242946	11.684	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	56225	1.976	ug/L	98
31) Carbon tetrachloride	5.311	117	8162	0.338	ug/L	96
35) Methylcyclohexane	6.690	83	24959	0.833	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10809	0.500	ug/L #	88
61) 1,2,3-Trichloropropane	11.809	75	12783	1.020	ug/L #	68

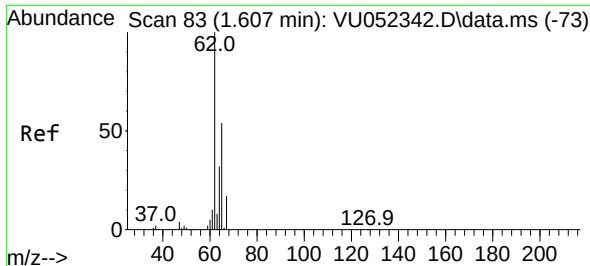
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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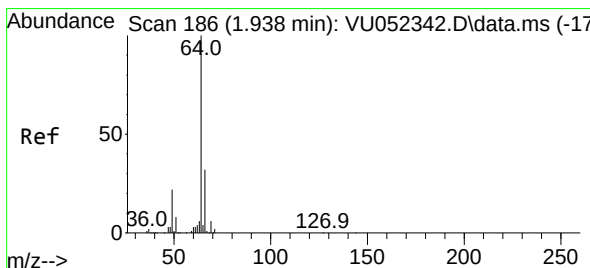
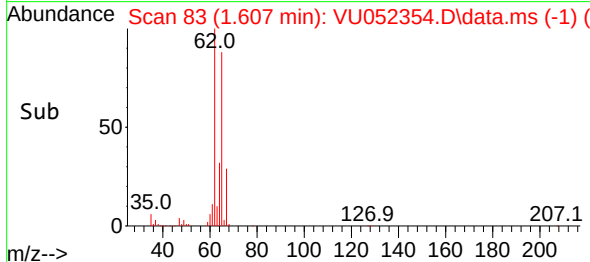
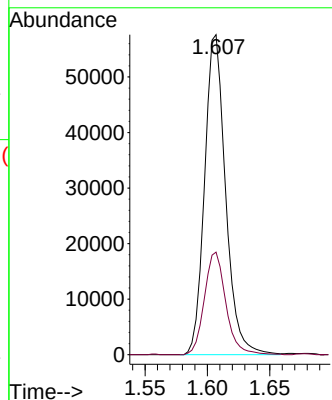
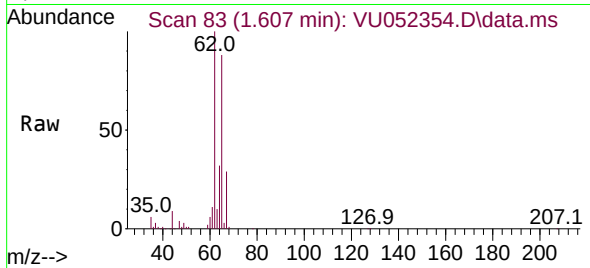




#5
 Vinyl chloride
 Concen: 2.442 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052354.D
 Acq: 12 Dec 2022 15:47

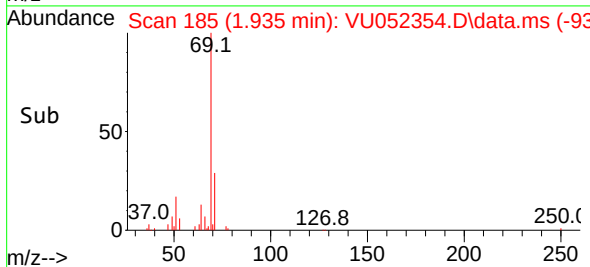
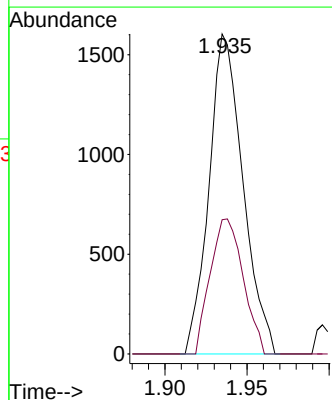
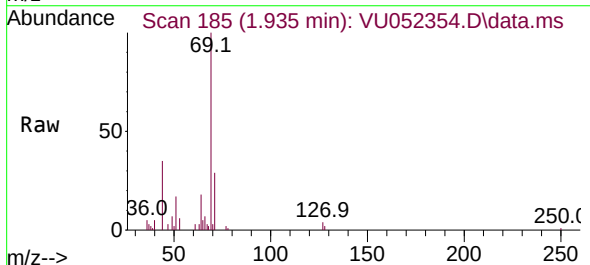
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94DL

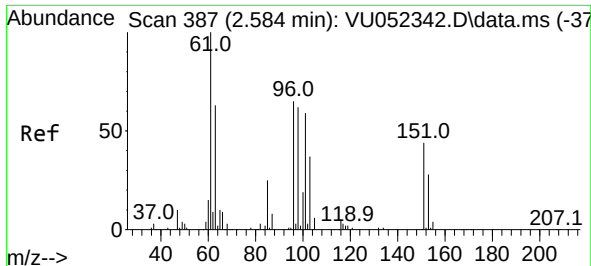
Tgt Ion: 62 Resp: 67650
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.5 43.7



#8
 Chloroethane
 Concen: 0.134 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. -0.003 min
 Lab File: VU052354.D
 Acq: 12 Dec 2022 15:47

Tgt Ion: 64 Resp: 2304
 Ion Ratio Lower Upper
 64 100
 66 42.0 21.1 39.1#





#10

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

Concen: 0.053 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.019 min

Lab File: VU052354.D

Acq: 12 Dec 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

EXZ94DL

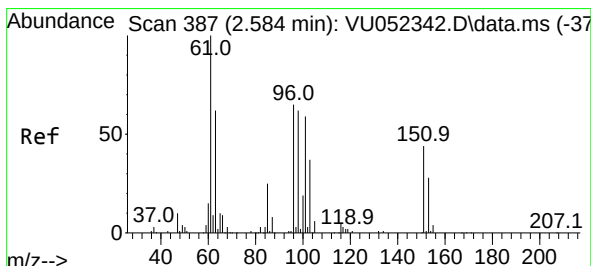
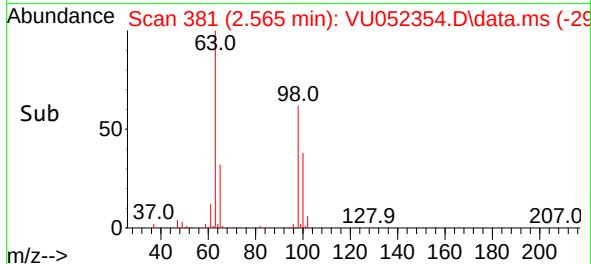
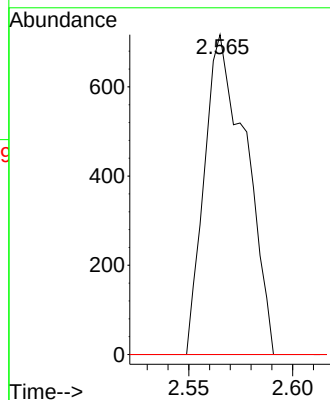
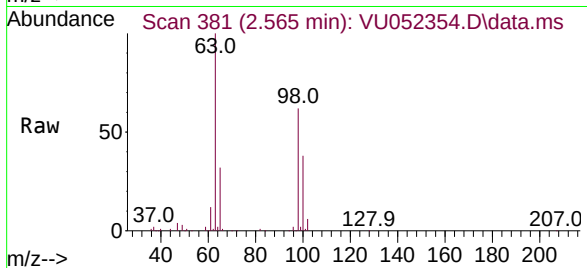
Tgt Ion:101 Resp: 996

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 58.6 88.0#



#12

1,1-Dichloroethene

Concen: 0.203 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.010 min

Lab File: VU052354.D

Acq: 12 Dec 2022 15:47

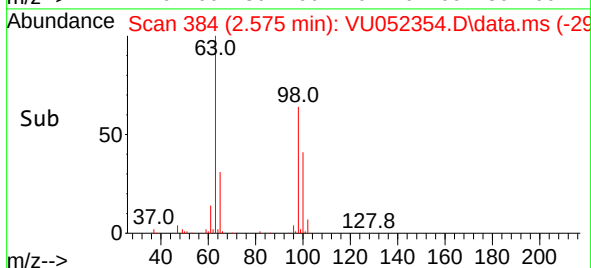
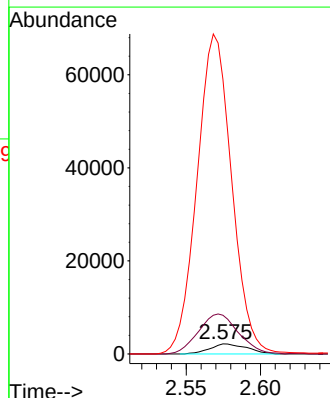
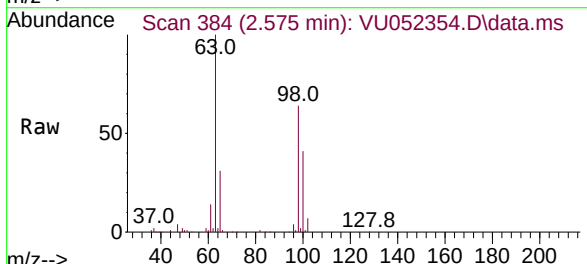
Tgt Ion: 96 Resp: 3751

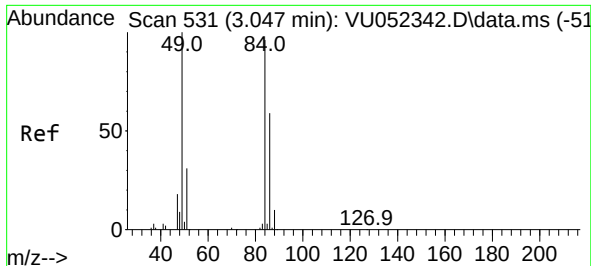
Ion Ratio Lower Upper

96 100

61 382.7 114.8 213.2#

63 2710.2 93.7 174.1#

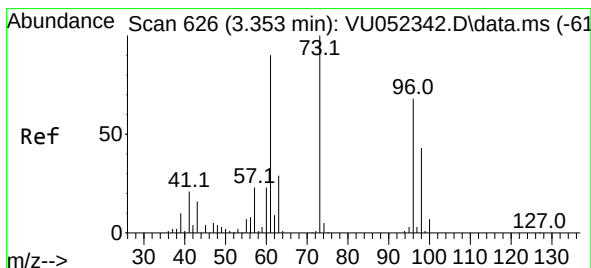
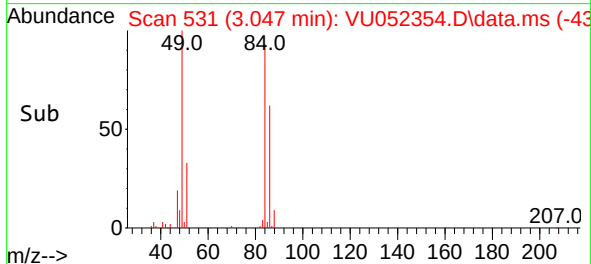
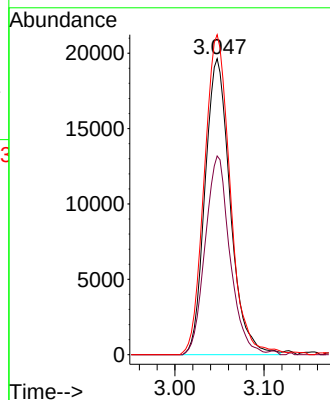
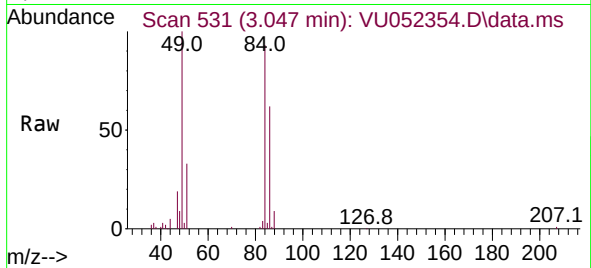




#16
Methylene chloride
Concen: 1.544 ug/L
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU052354.D
Acq: 12 Dec 2022 15:47

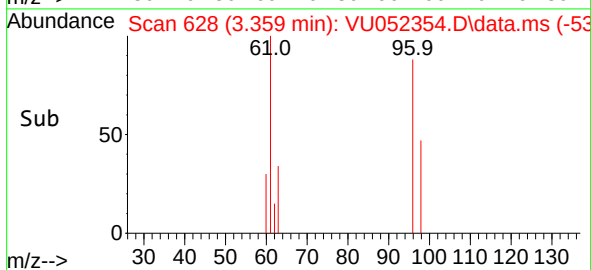
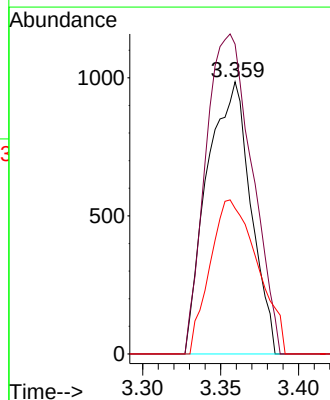
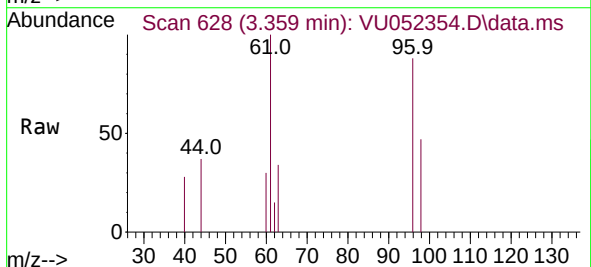
Instrument :
MSVOA_U
ClientSampleId :
EXZ94DL

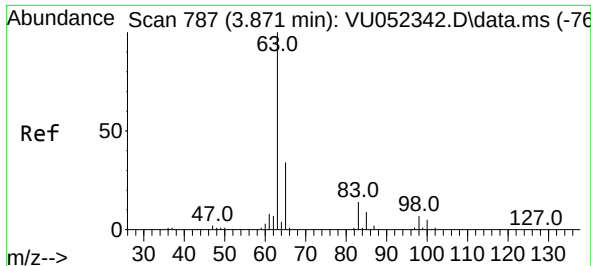
Tgt Ion: 84 Resp: 38595
Ion Ratio Lower Upper
84 100
86 67.2 43.8 81.4
49 108.1 75.9 141.1



#18
trans-1,2-Dichloroethene
Concen: 0.097 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.006 min
Lab File: VU052354.D
Acq: 12 Dec 2022 15:47

Tgt Ion: 96 Resp: 1918
Ion Ratio Lower Upper
96 100
61 113.8 97.9 181.7
98 53.4 43.8 81.3





#19

1,1-Dichloroethane

Concen: 4.352 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU052354.D

Acq: 12 Dec 2022 15:47

Instrument :

MSVOA_U

ClientSampleId :

EXZ94DL

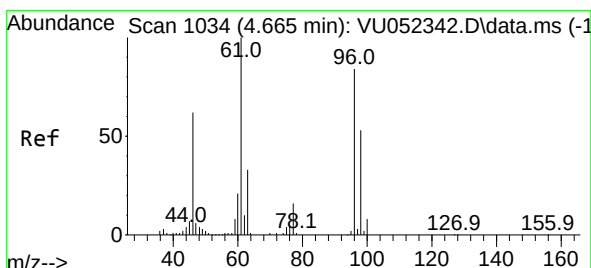
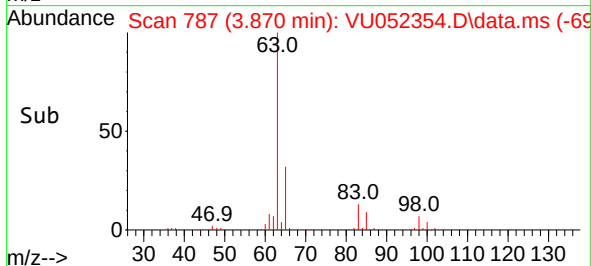
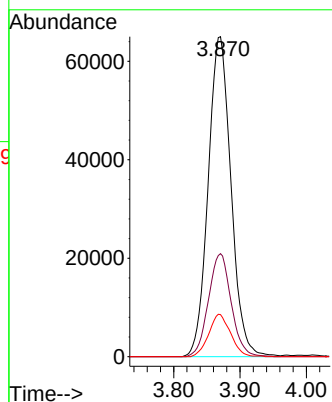
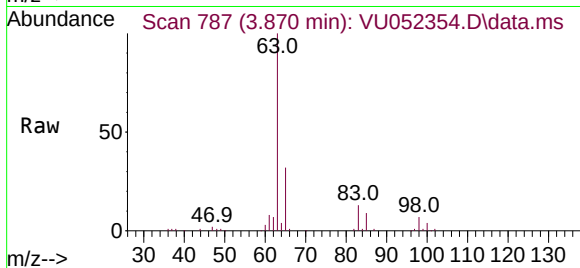
Tgt Ion: 63 Resp: 155390

Ion Ratio Lower Upper

63 100

65 32.2 22.2 41.2

83 13.1 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 11.684 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052354.D

Acq: 12 Dec 2022 15:47

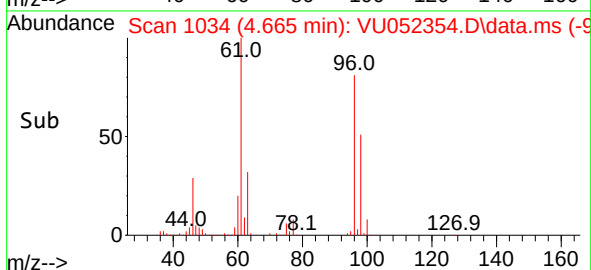
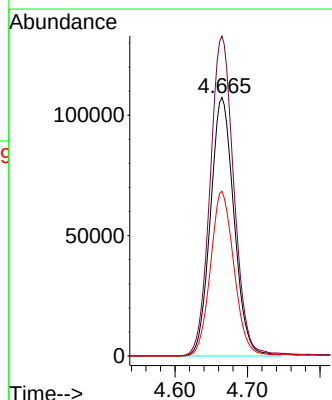
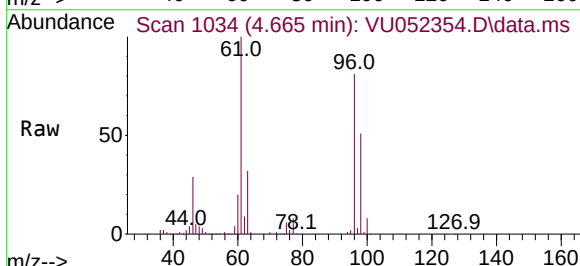
Tgt Ion: 96 Resp: 242946

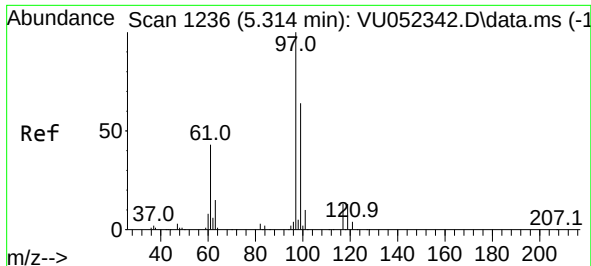
Ion Ratio Lower Upper

96 100

61 123.8 85.1 158.1

98 63.7 42.8 79.6





#29

1,1,1-Trichloroethane

Concen: 1.976 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU052354.D

Acq: 12 Dec 2022 15:47

Instrument :

MSVOA_U

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EXZ94DL

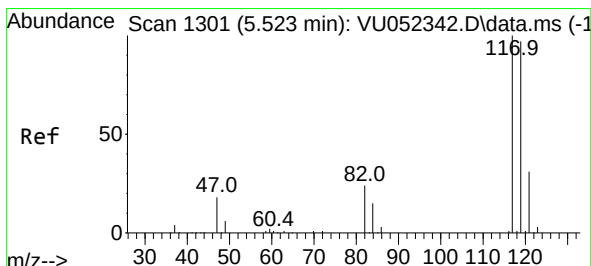
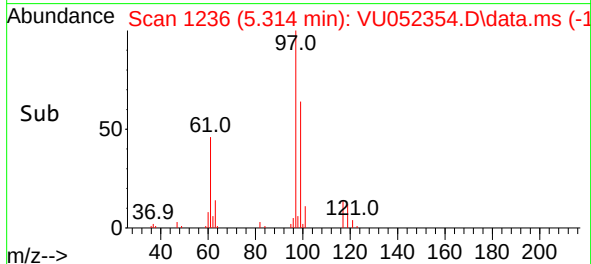
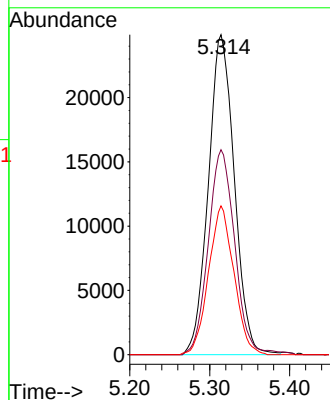
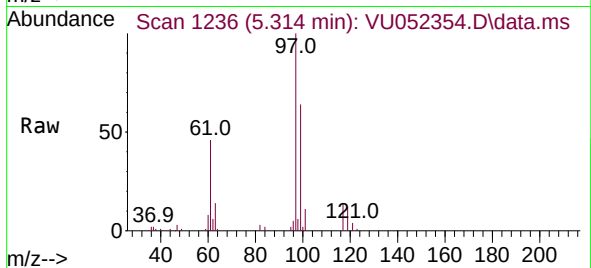
Tgt Ion: 97 Resp: 56225

Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.6

61 45.4 36.9 55.3



#31

Carbon tetrachloride

Concen: 0.338 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.212 min

Lab File: VU052354.D

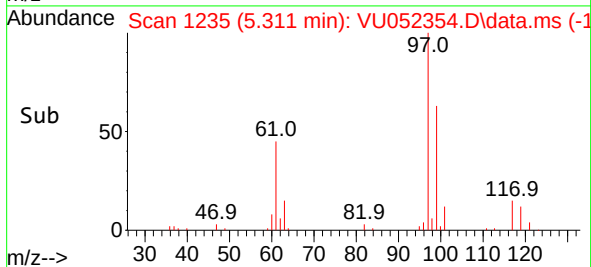
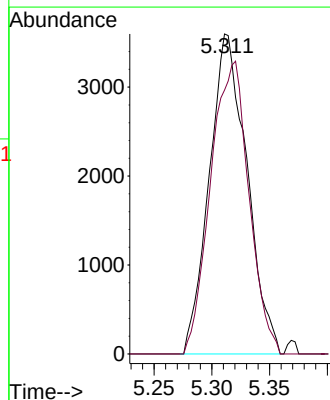
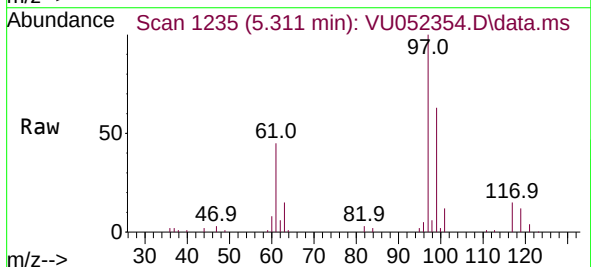
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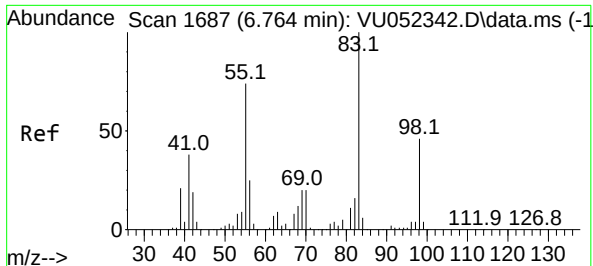
Tgt Ion: 117 Resp: 8162

Ion Ratio Lower Upper

117 100

119 93.0 77.2 115.8

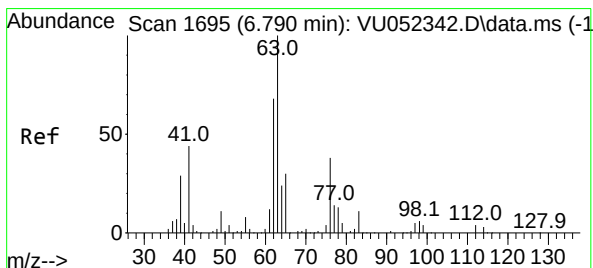
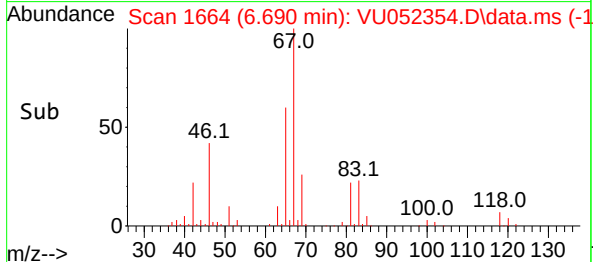
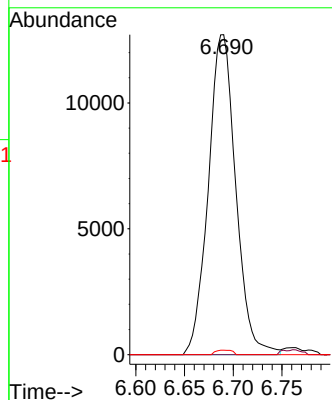
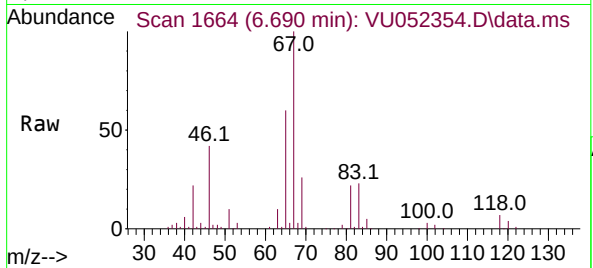




#35
Methylcyclohexane
Concen: 0.833 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU052354.D
Acq: 12 Dec 2022 15:47

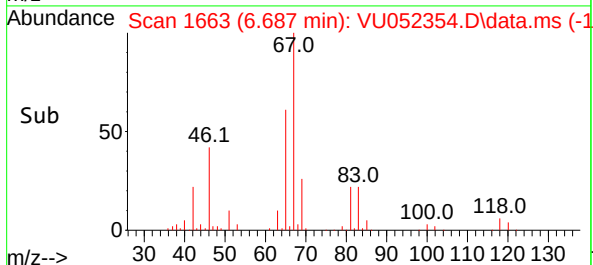
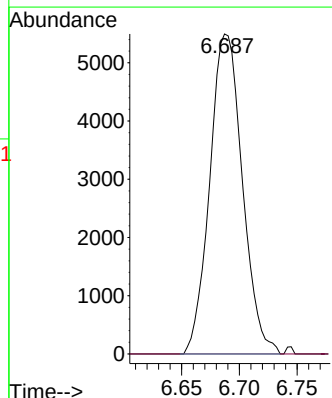
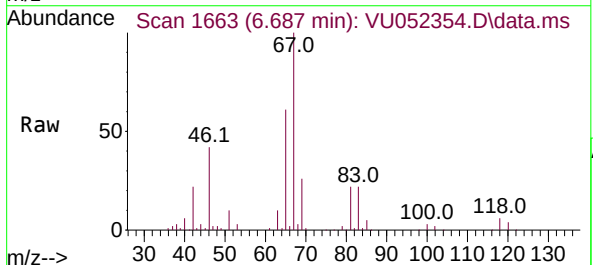
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EXZ94DL

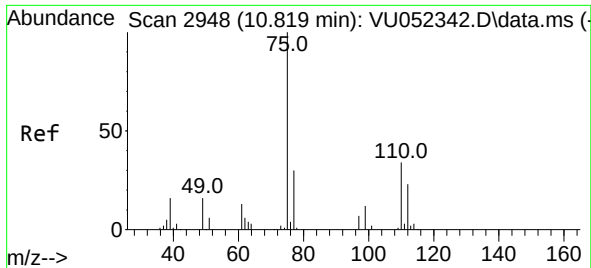
Tgt Ion: 83 Resp: 24959
Ion Ratio Lower Upper
83 100
55 0.4 60.8 91.2#
98 0.9 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 0.500 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU052354.D
Acq: 12 Dec 2022 15:47

Tgt Ion: 63 Resp: 10809
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.020 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052354.D
 Acq: 12 Dec 2022 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94DL

Tgt Ion: 75 Resp: 12783
 Ion Ratio Lower Upper
 75 100
 110 1.8 28.3 42.5#
 77 30.7 26.2 39.2

