

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052207.D
 Acq On : 07 Dec 2022 19:32
 Operator : JC/MD
 Sample : N5916-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N21

Quant Time: Dec 08 02:02:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

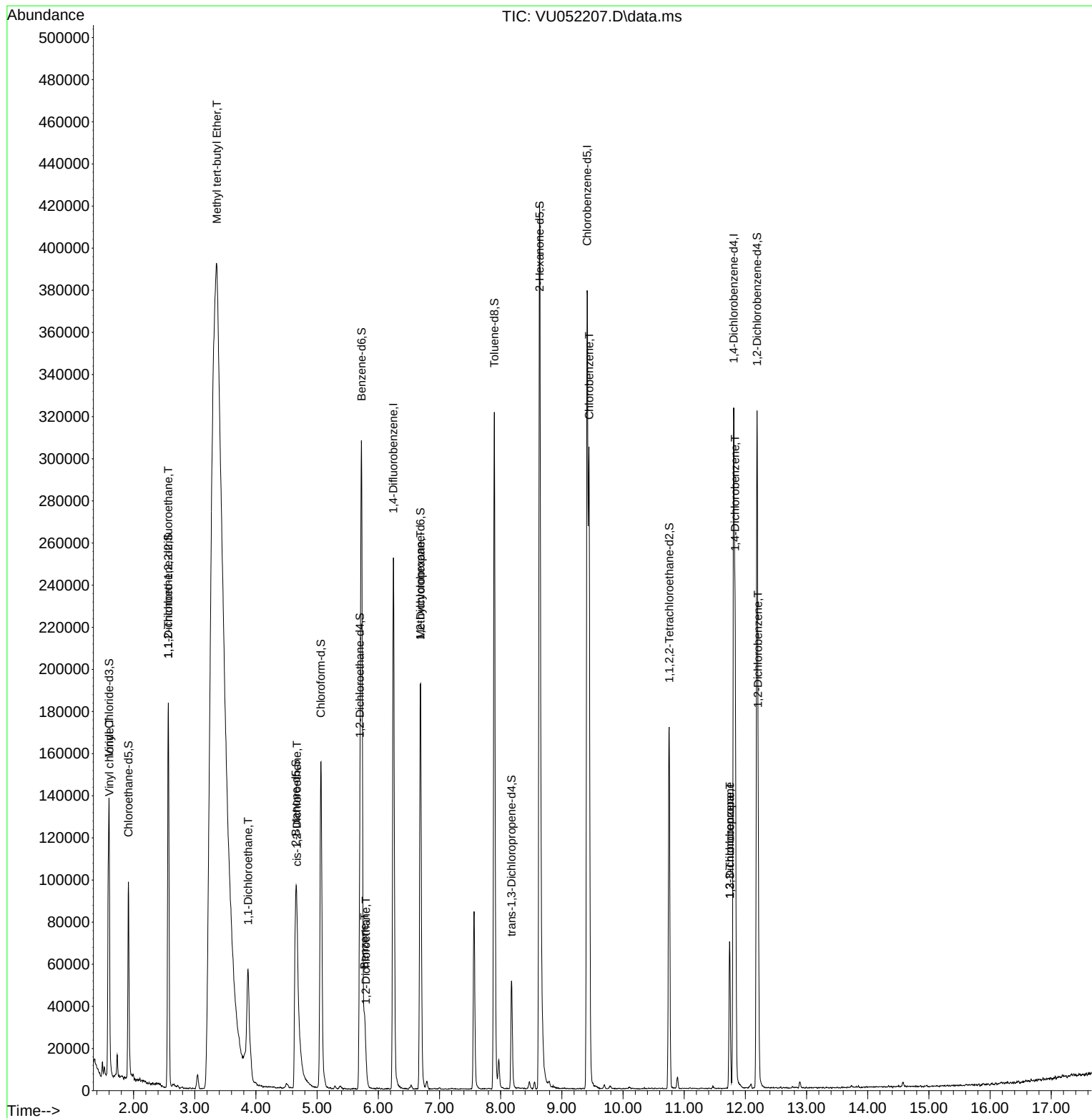
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	214928	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	215551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	86494	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87514	4.186	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.916	69	75414	4.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.568	65	35493	4.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	4.652	46	216295	57.077	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.160%
24) Chloroform-d	5.060	84	149857	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.700	65	78984	5.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.726	84	302347	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.687	67	99509	5.025	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.896	98	226274	3.908	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	8.179	79	31304	4.338	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.636	63	150973	49.363	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.720%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	89689	5.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	84471	5.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
5) Vinyl chloride	1.604	62	7194	0.308	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1074	0.068	ug/L #	20
17) Methyl tert-butyl Ether	3.363	73	25833	0.740	ug/L #	1
19) 1,1-Dichloroethane	3.871	63	45136	1.498	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	11718	0.668	ug/L	97
27) 1,2-Dichloroethane	5.797	62	7306	0.391	ug/L	99
33) Benzene	5.774	78	28953	0.413	ug/L	100
35) Methylcyclohexane	6.690	83	21930	0.871	ug/L #	19
51) Chlorobenzene	9.446	112	166148	3.611	ug/L	98
61) 1,2,3-Trichloropropane	11.745	75	8557	0.864	ug/L #	50
64) 1,3-Dichlorobenzene	11.745	146	30335	1.094	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	87875	3.176	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	35330	1.322	ug/L	93

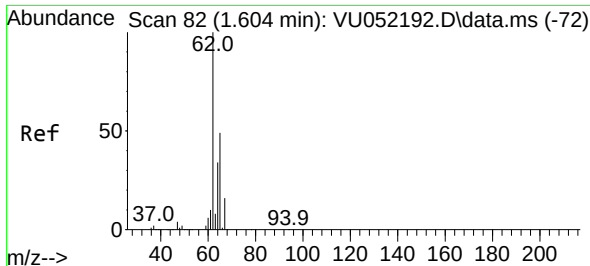
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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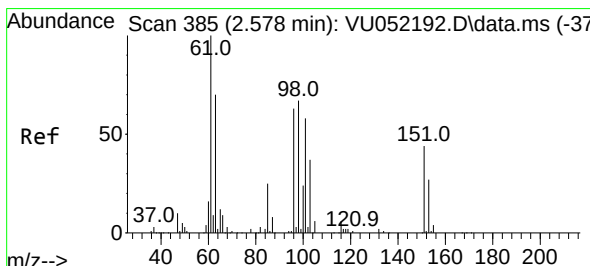
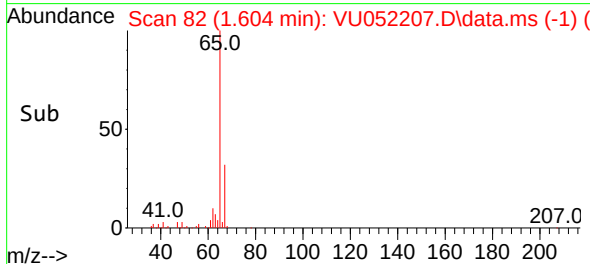
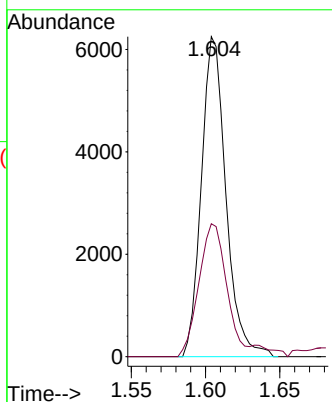
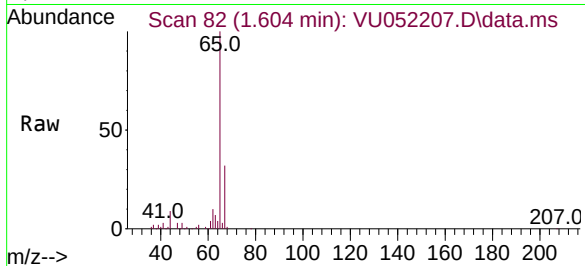




#5
 Vinyl chloride
 Concen: 0.308 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052207.D
 Acq: 07 Dec 2022 19:32

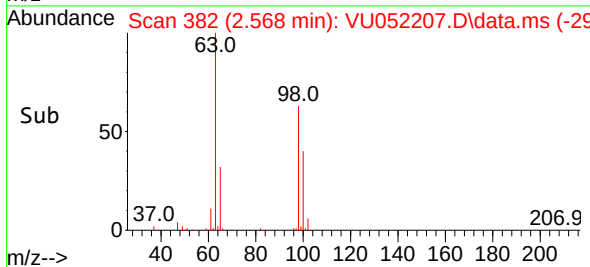
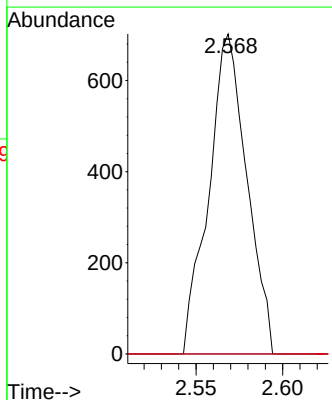
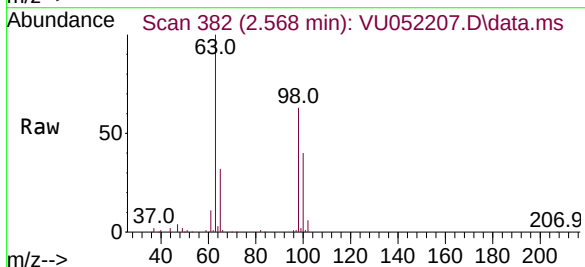
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 ClientSampleId :
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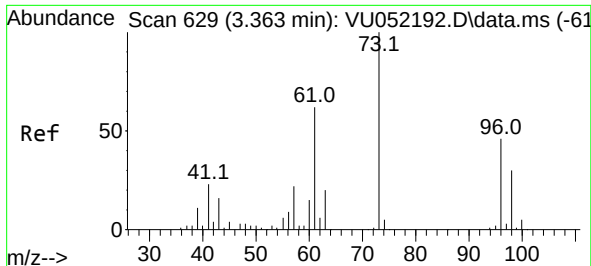
Tgt Ion: 62 Resp: 7194
 Ion Ratio Lower Upper
 62 100
 64 41.5 23.5 43.7



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.068 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU052207.D
 Acq: 07 Dec 2022 19:32

Tgt Ion: 101 Resp: 1074
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#

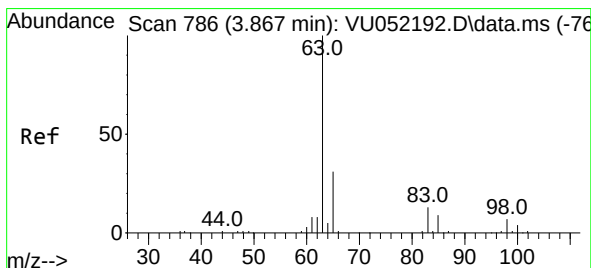
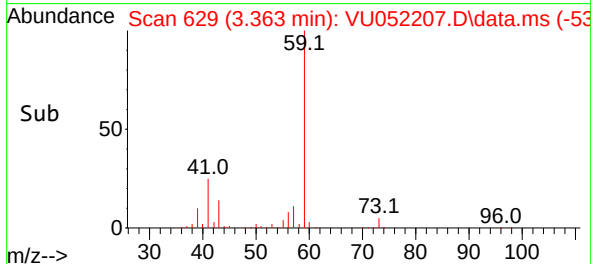
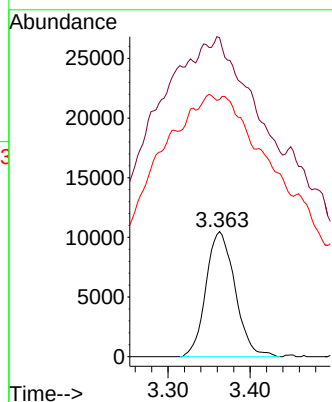
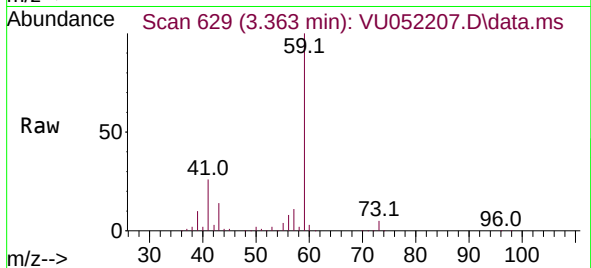




#17
Methyl tert-butyl Ether
Concen: 0.740 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

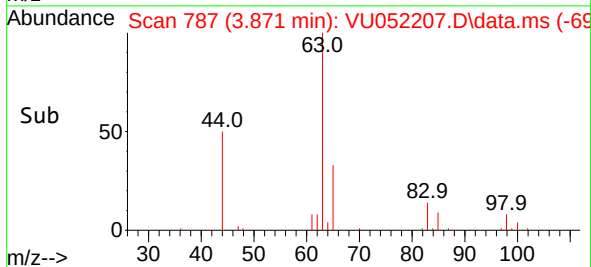
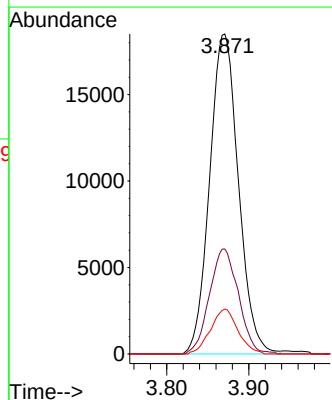
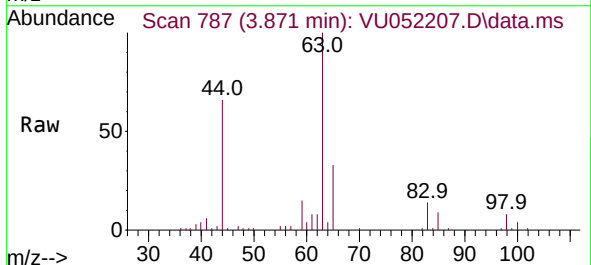
Instrument :
MSVOA_U
ClientSampleId :
F5N21

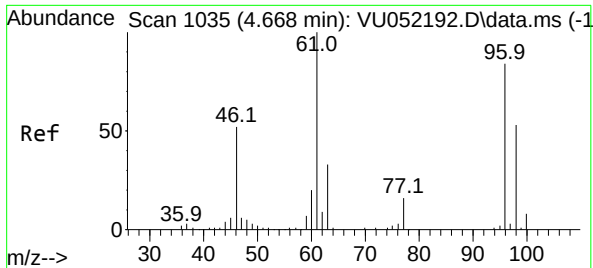
Tgt Ion: 73 Resp: 25833
Ion Ratio Lower Upper
73 100
43 519.7 13.2 19.8#
57 300.8 17.8 26.8#



#19
1,1-Dichloroethane
Concen: 1.498 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

Tgt Ion: 63 Resp: 45136
Ion Ratio Lower Upper
63 100
65 32.8 22.2 41.2
83 14.1 9.2 17.0

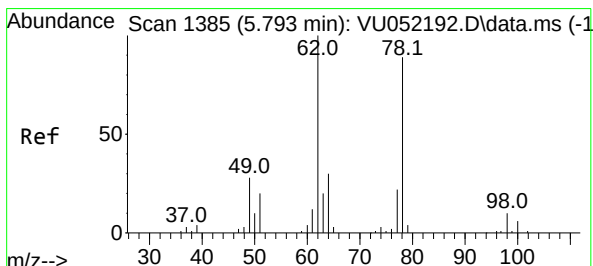
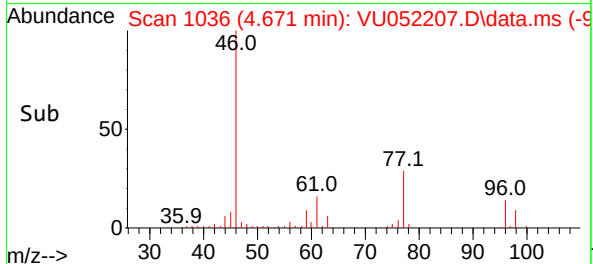
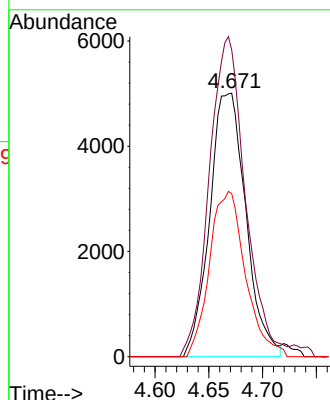
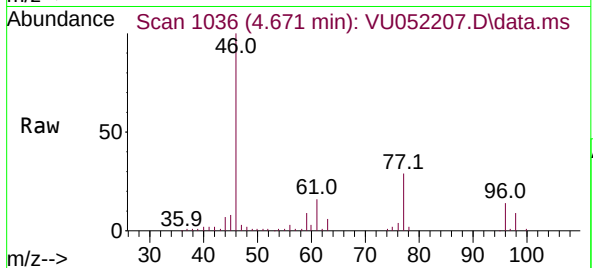




#22
 cis-1,2-Dichloroethene
 Concen: 0.668 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU052207.D
 Acq: 07 Dec 2022 19:32

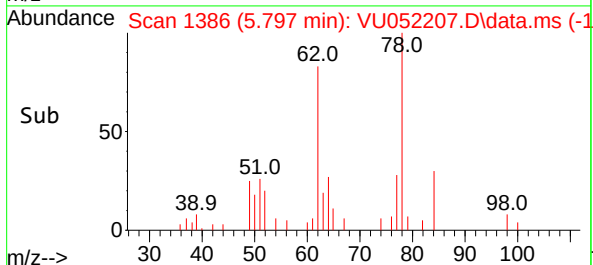
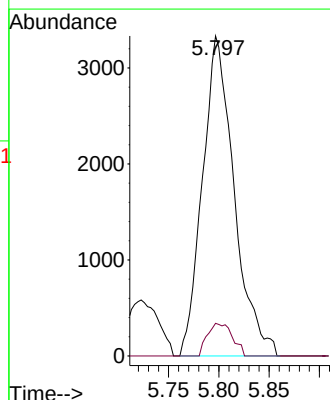
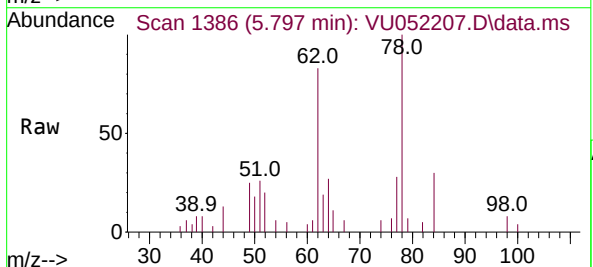
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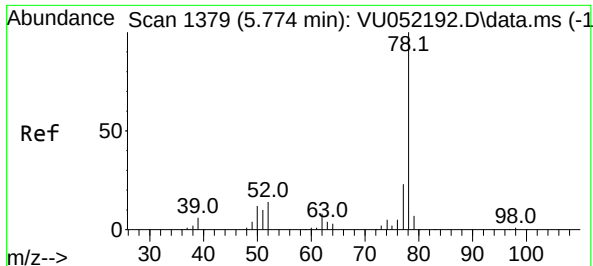
Tgt Ion: 96 Resp: 11718
 Ion Ratio Lower Upper
 96 100
 61 116.5 85.1 158.1
 98 61.9 42.8 79.6



#27
 1,2-Dichloroethane
 Concen: 0.391 ug/L
 RT: 5.797 min Scan# 1386
 Delta R.T. 0.003 min
 Lab File: VU052207.D
 Acq: 07 Dec 2022 19:32

Tgt Ion: 62 Resp: 7306
 Ion Ratio Lower Upper
 62 100
 98 10.2 8.4 12.6

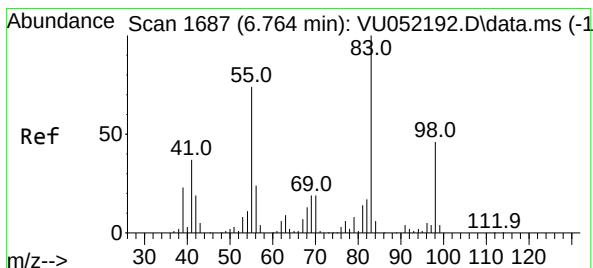
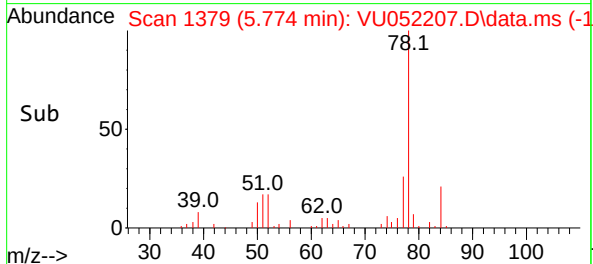
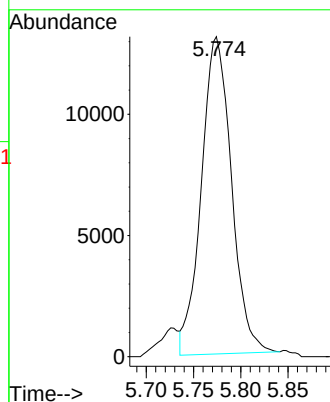
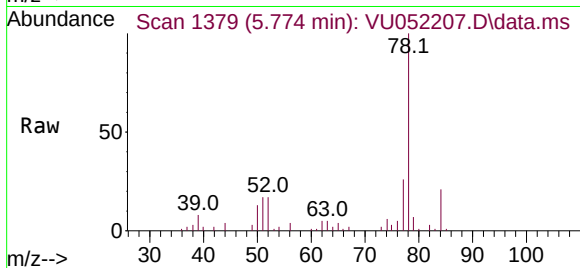




#33
Benzene
Concen: 0.413 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

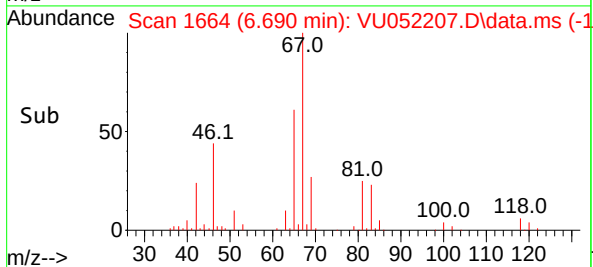
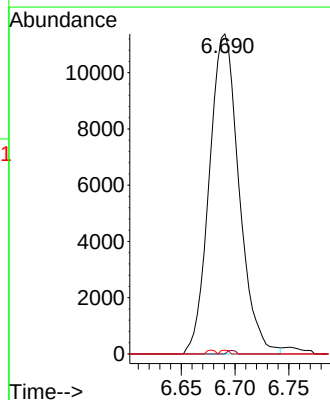
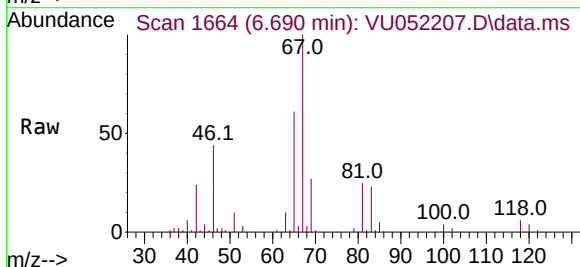
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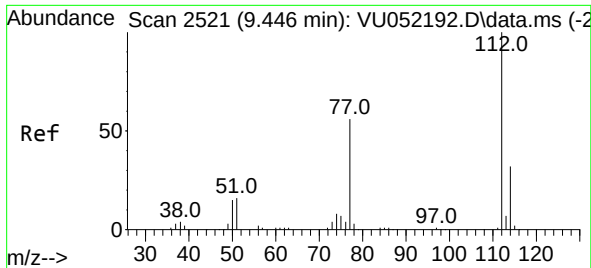
Tgt Ion: 78 Resp: 28953



#35
Methylcyclohexane
Concen: 0.871 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

Tgt Ion: 83 Resp: 21930
Ion Ratio Lower Upper
83 100
55 0.3 60.8 91.2#
98 0.3 35.1 52.7#

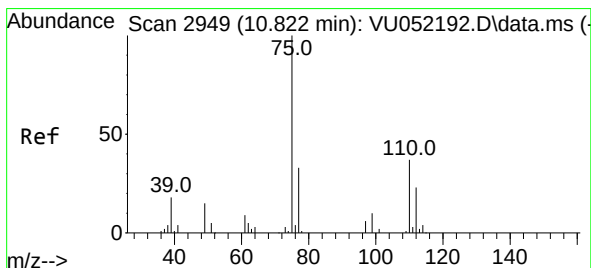
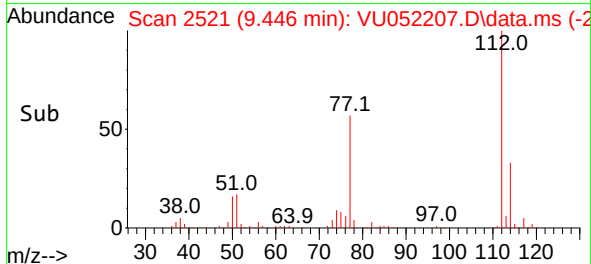
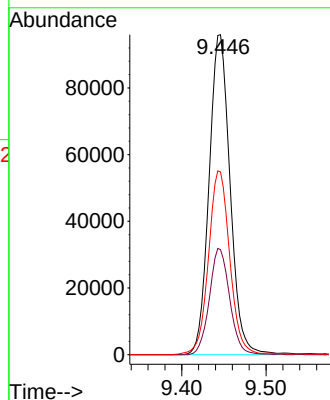
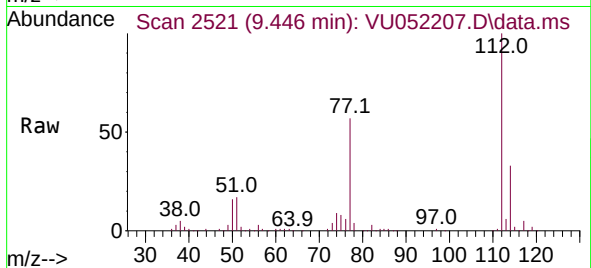




#51
Chlorobenzene
Concen: 3.611 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

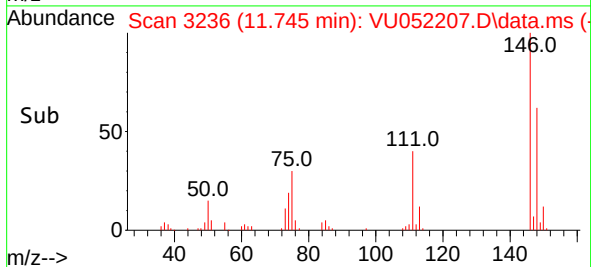
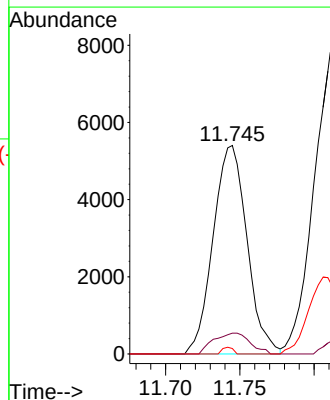
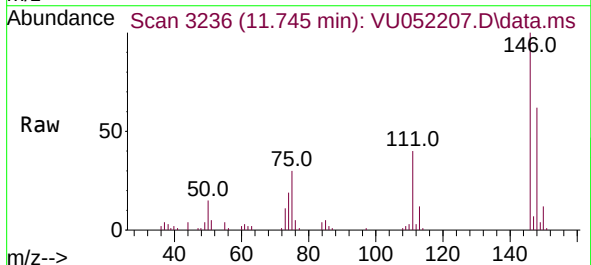
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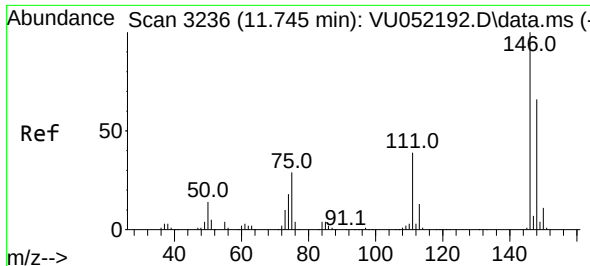
Tgt Ion:112 Resp: 166148
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 57.1 46.6 70.0



#61
1,2,3-Trichloropropane
Concen: 0.864 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.923 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

Tgt Ion: 75 Resp: 8557
Ion Ratio Lower Upper
75 100
110 10.8 28.3 42.5#
77 0.0 26.2 39.2#

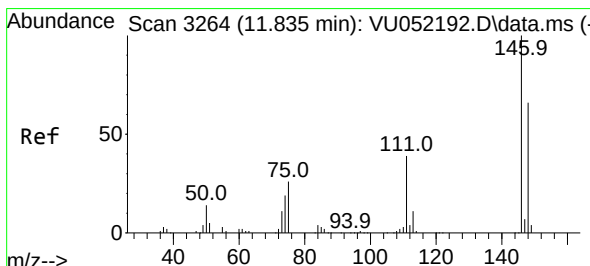
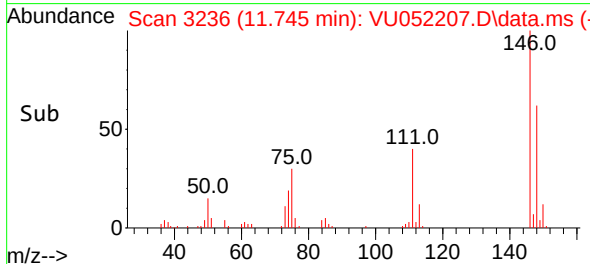
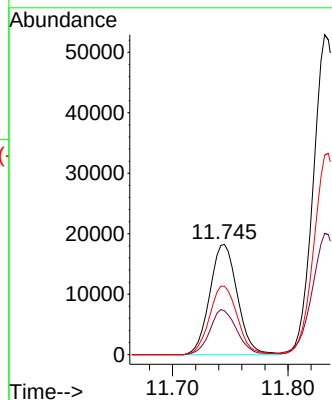
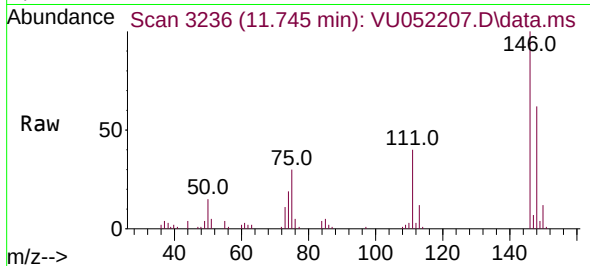




#64
1,3-Dichlorobenzene
Concen: 1.094 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

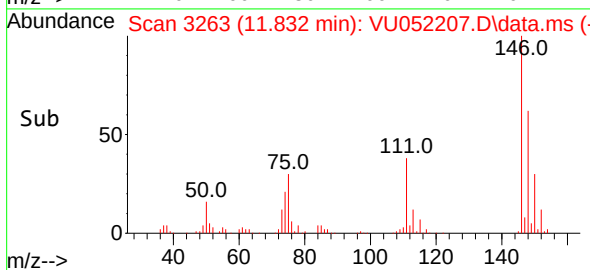
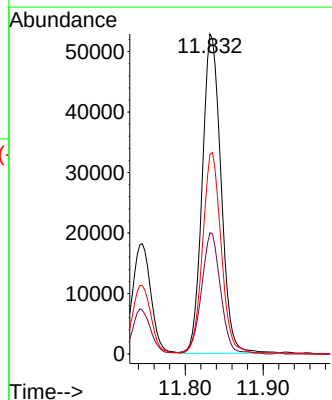
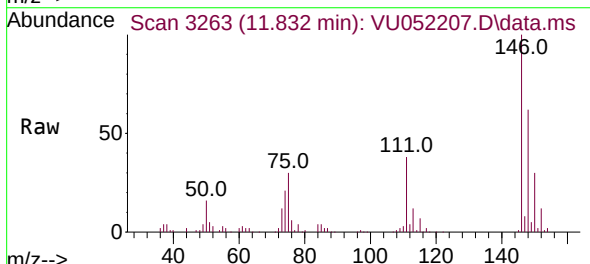
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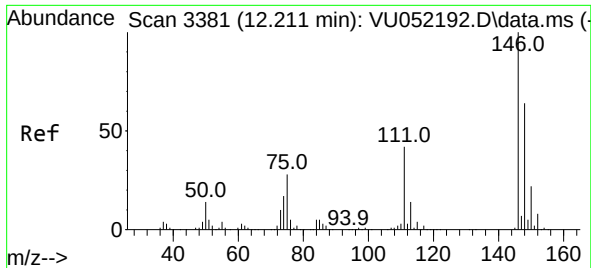
Tgt Ion:146 Resp: 30335
Ion Ratio Lower Upper
146 100
111 39.7 28.6 53.2
148 62.1 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 3.176 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU052207.D
Acq: 07 Dec 2022 19:32

Tgt Ion:146 Resp: 87875
Ion Ratio Lower Upper
146 100
111 37.9 26.9 50.1
148 62.3 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 1.322 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052207.D

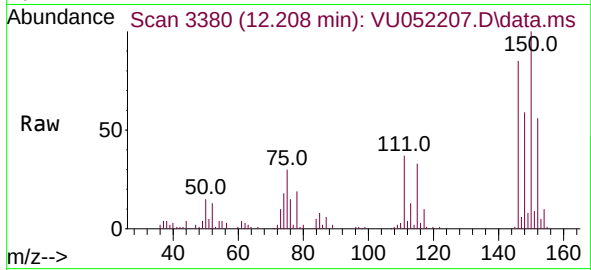
Acq: 07 Dec 2022 19:32

Instrument :

MSVOA_U

ClientSampleId :

F5N21



Tgt Ion:146 Resp: 35330

Ion Ratio Lower Upper

146 100

111 43.3 32.7 49.1

148 69.7 50.6 75.8

