

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
 Data File : VU052572.D
 Acq On : 27 Dec 2022 18:12
 Operator : JC/MD
 Sample : N6170-09DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB6DL

Quant Time: Dec 28 01:23:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

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

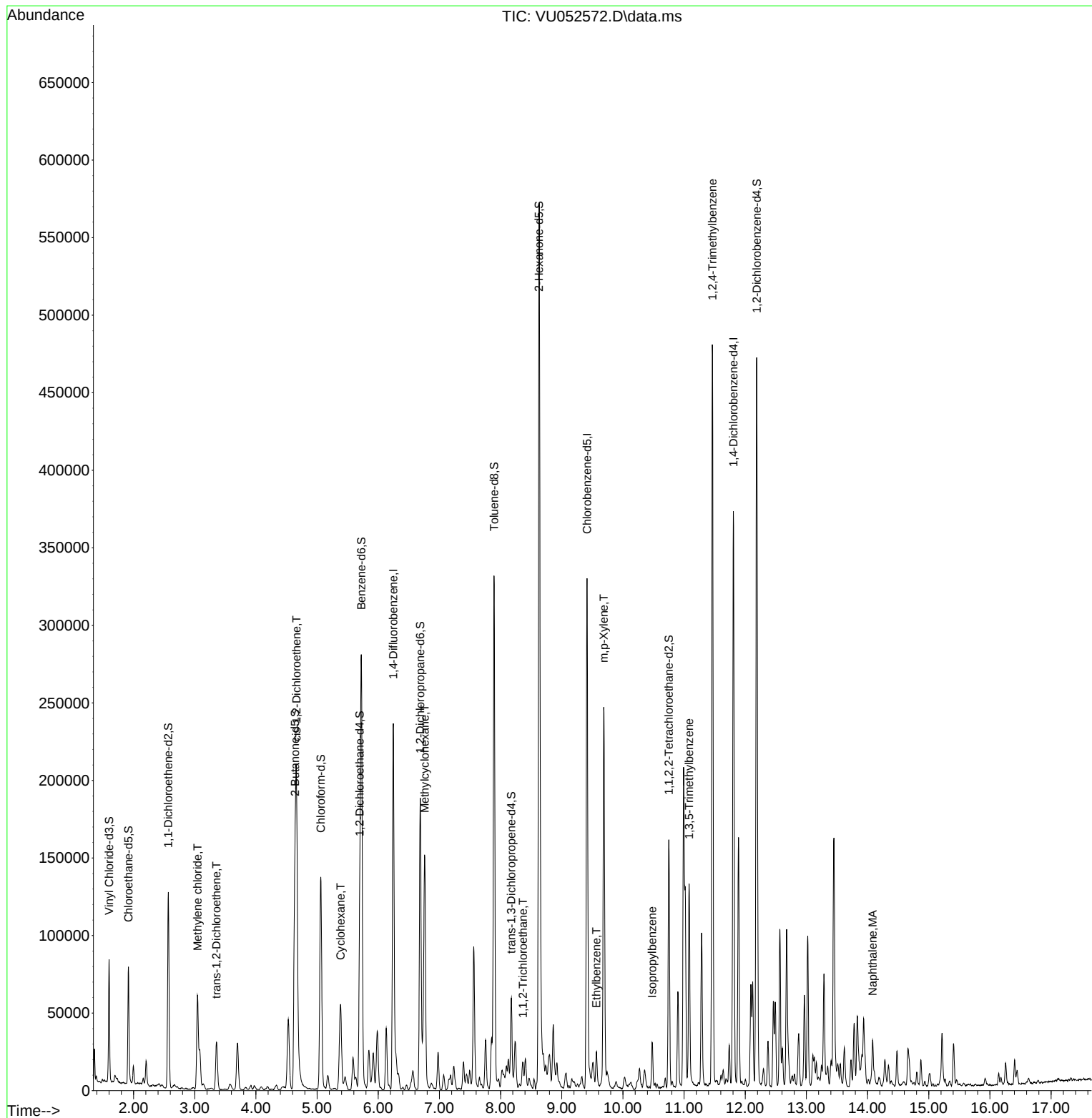
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	181085	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	172580	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	90920	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	50981	2.779	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.600%
7) Chloroethane-d5	1.916	69	55324	3.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.000%
11) 1,1-Dichloroethene-d2	2.568	65	25000	3.167	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.400%
20) 2-Butanone-d5	4.639	46	281236	49.434	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.860%
24) Chloroform-d	5.060	84	129880	4.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.697	65	77406	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.722	84	255633	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.687	67	92756	4.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.893	98	205843	4.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.176	79	31387	4.500	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.629	63	199198	52.204	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.400%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81323	4.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	85879	4.639	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						Qvalue
16) Methylene chloride	3.044	84	26683	1.393	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	6170	0.441	ug/L	91
22) cis-1,2-Dichloroethene	4.665	96	61342	3.999	ug/L	99
30) Cyclohexane	5.385	56	26562	1.132	ug/L	92
35) Methylcyclohexane	6.761	83	55609	2.538	ug/L	95
45) 1,1,2-Trichloroethane	8.365	97	4742	0.386	ug/L #	20
52) Ethylbenzene	9.565	91	14904	0.242	ug/L	98
53) m,p-Xylene	9.687	106	65302	2.871	ug/L	99
60) Isopropylbenzene	10.478	105	17815	0.302	ug/L	96
62) 1,3,5-Trimethylbenzene	11.082	105	64911	1.336	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	251480	5.140	ug/L	98
71) Naphthalene	14.082	128	24253	0.662	ug/L	94

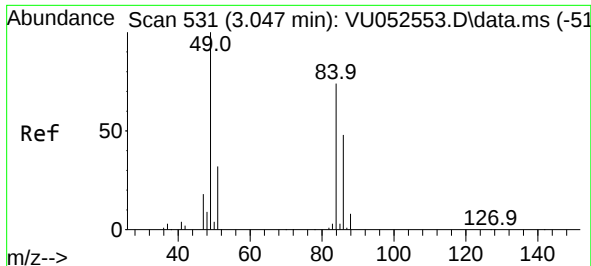
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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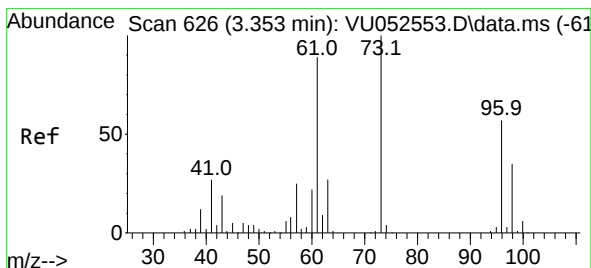
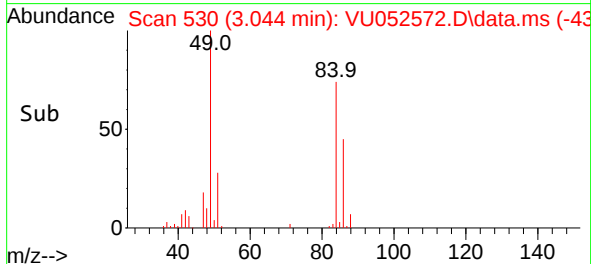
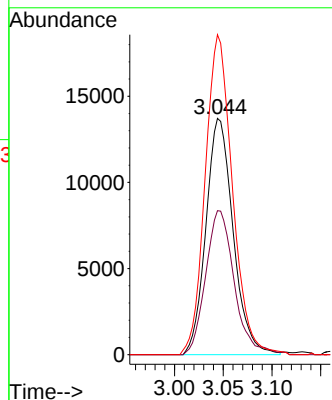
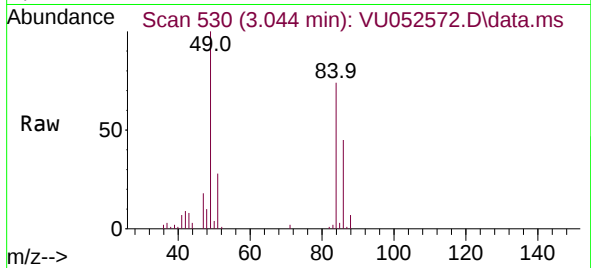




#16
Methylene chloride
Concen: 1.393 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

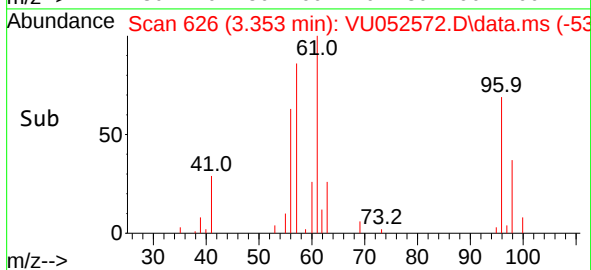
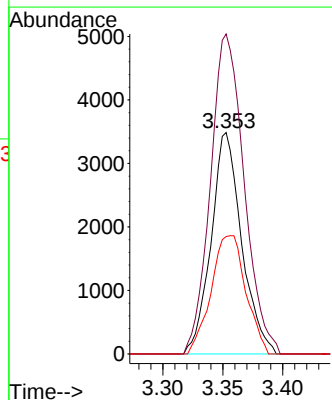
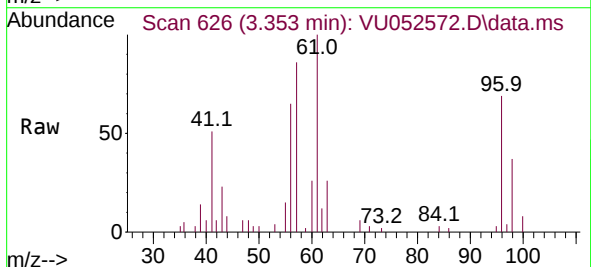
Instrument :
MSVOA_U
ClientSampleId :
GBQB6DL

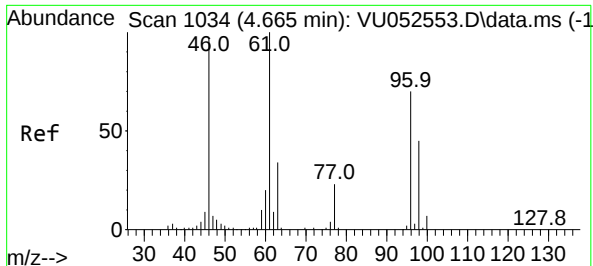
Tgt Ion: 84 Resp: 26683
Ion Ratio Lower Upper
84 100
86 60.9 44.7 83.1
49 135.4 93.3 173.3



#18
trans-1,2-Dichloroethene
Concen: 0.441 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

Tgt Ion: 96 Resp: 6170
Ion Ratio Lower Upper
96 100
61 144.5 108.3 201.1
98 53.1 44.0 81.6

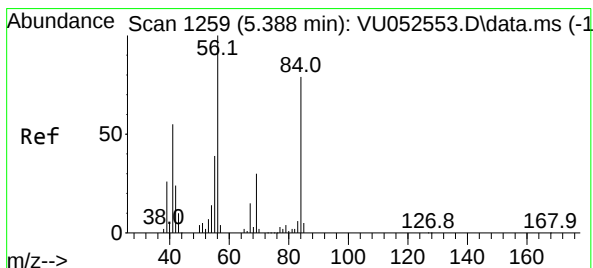
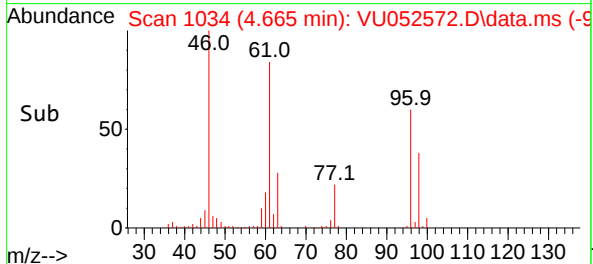
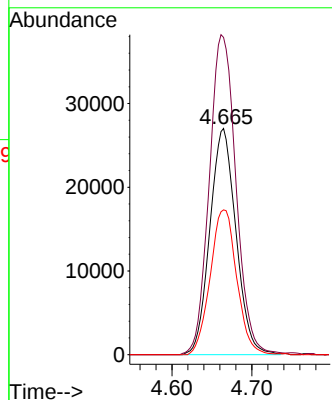
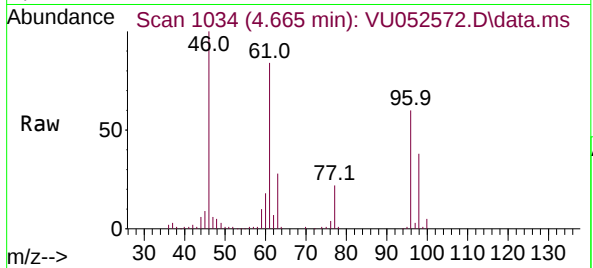




#22
 cis-1,2-Dichloroethene
 Concen: 3.999 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052572.D
 Acq: 27 Dec 2022 18:12

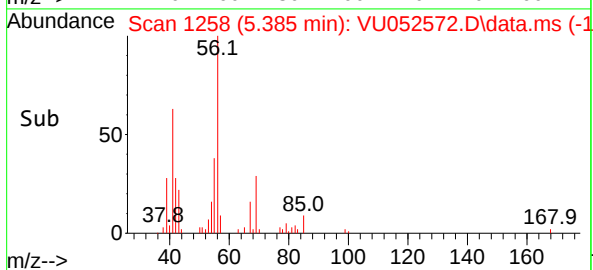
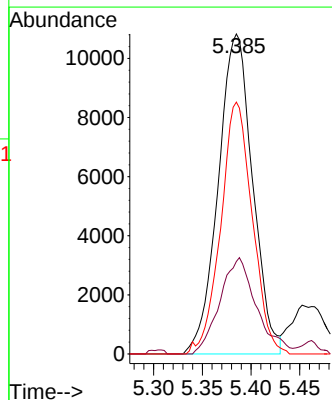
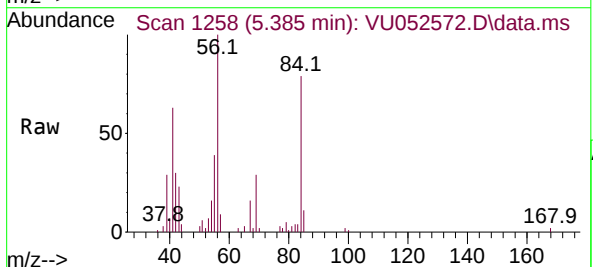
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB6DL

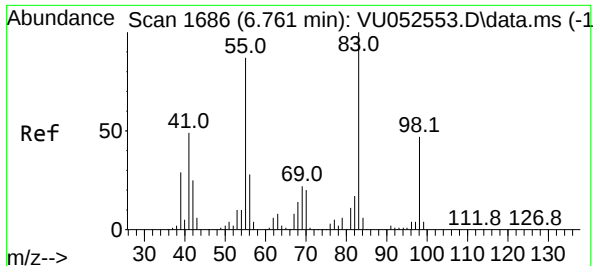
Tgt Ion: 96 Resp: 61342
 Ion Ratio Lower Upper
 96 100
 61 140.2 96.9 180.1
 98 64.0 44.7 83.1



#30
 Cyclohexane
 Concen: 1.132 ug/L
 RT: 5.385 min Scan# 1258
 Delta R.T. -0.003 min
 Lab File: VU052572.D
 Acq: 27 Dec 2022 18:12

Tgt Ion: 56 Resp: 26562
 Ion Ratio Lower Upper
 56 100
 69 32.1 23.0 34.6
 84 72.3 64.4 96.6





#35

Methylcyclohexane

Concen: 2.538 ug/L

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052572.D

Acq: 27 Dec 2022 18:12

Instrument :

MSVOA_U

ClientSampleId :

GBQB6DL

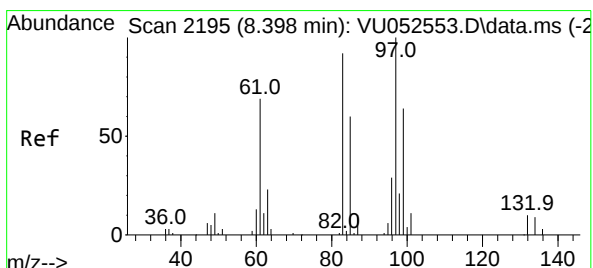
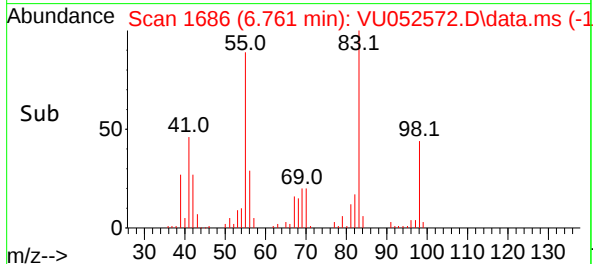
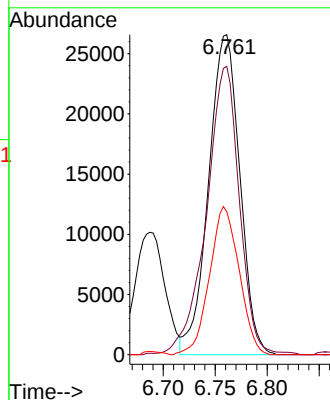
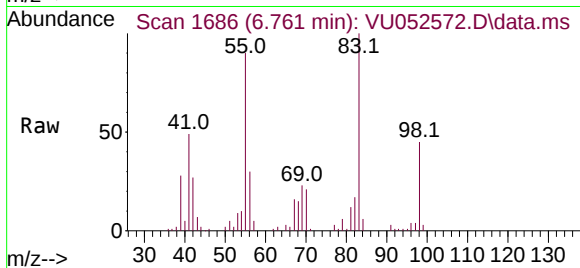
Tgt Ion: 83 Resp: 55609

Ion Ratio Lower Upper

83 100

55 95.1 71.4 107.0

98 43.8 36.5 54.7



#45

1,1,2-Trichloroethane

Concen: 0.386 ug/L

RT: 8.365 min Scan# 2185

Delta R.T. -0.032 min

Lab File: VU052572.D

Acq: 27 Dec 2022 18:12

Tgt Ion: 97 Resp: 4742

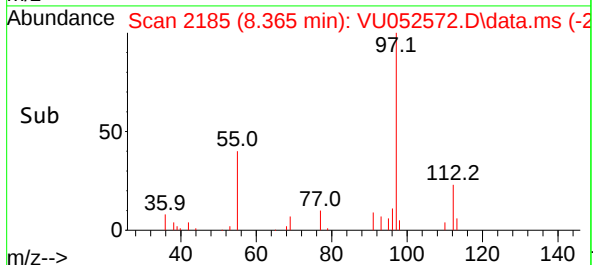
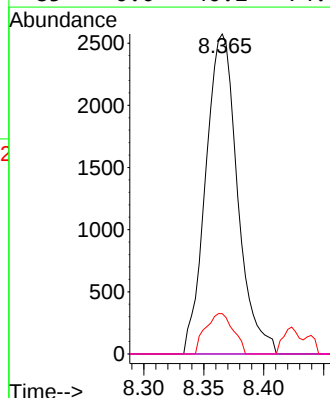
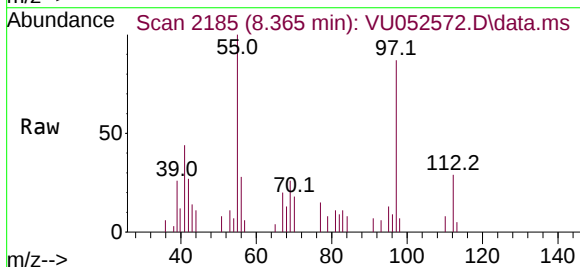
Ion Ratio Lower Upper

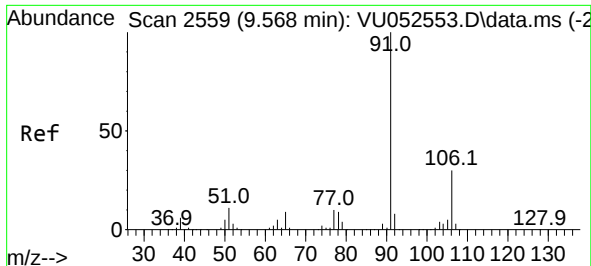
97 100

99 0.0 42.0 78.0#

83 12.6 63.2 117.4#

85 0.0 40.2 74.6#

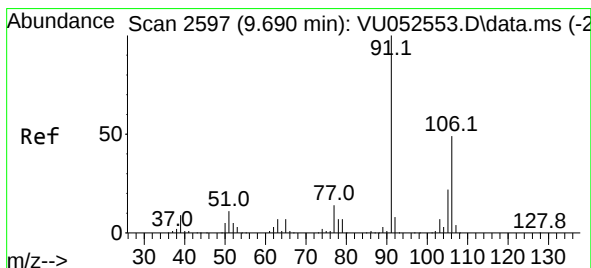
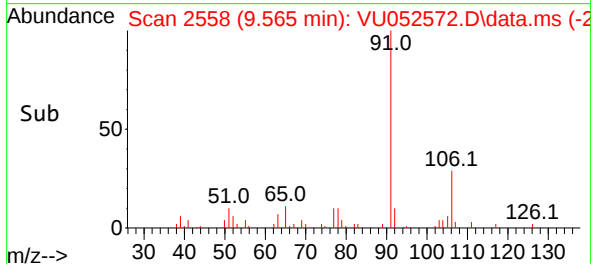
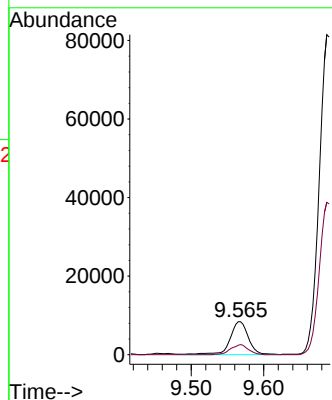
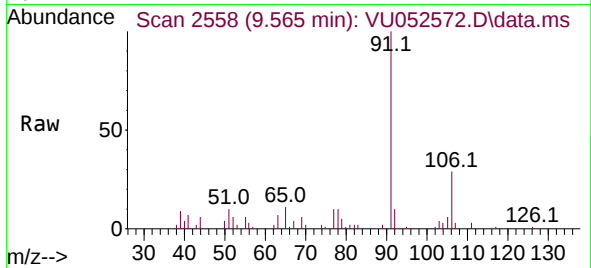




#52
Ethylbenzene
Concen: 0.242 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

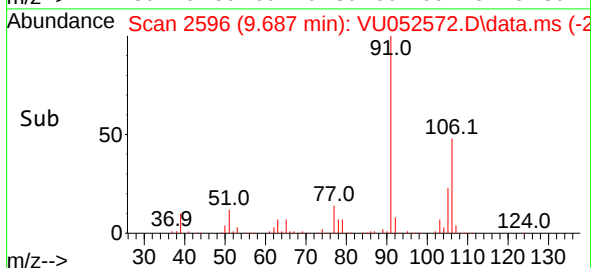
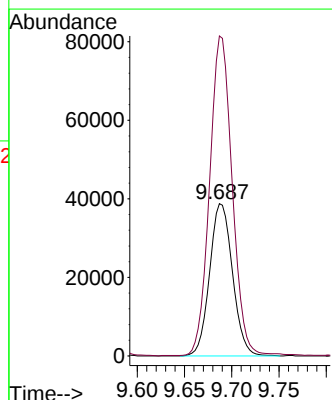
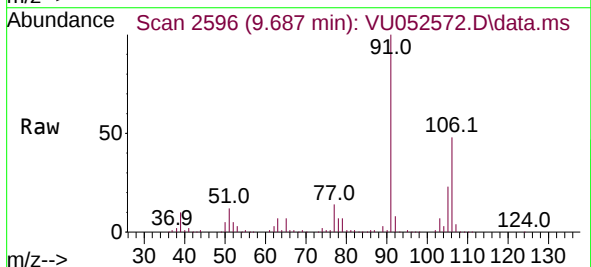
Instrument :
MSVOA_U
ClientSampleId :
GBQB6DL

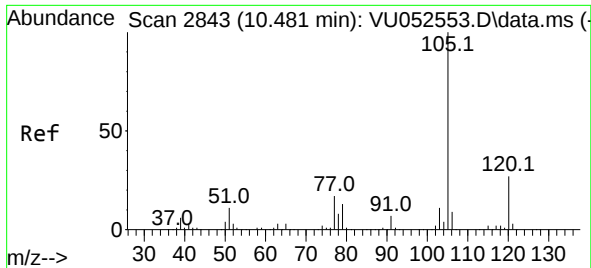
Tgt Ion: 91 Resp: 14904
Ion Ratio Lower Upper
91 100
106 28.8 20.9 38.7



#53
m,p-Xylene
Concen: 2.871 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

Tgt Ion: 106 Resp: 65302
Ion Ratio Lower Upper
106 100
91 210.0 148.2 275.2

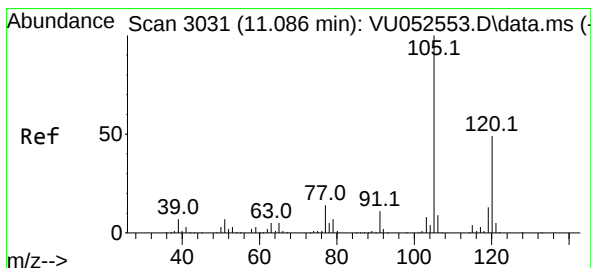
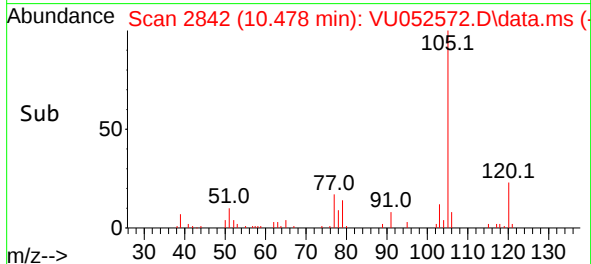
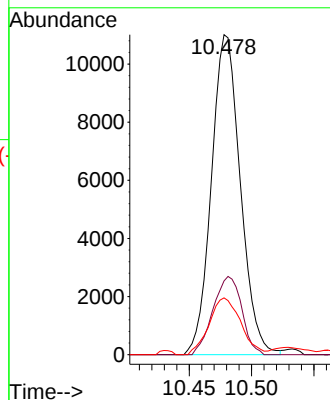
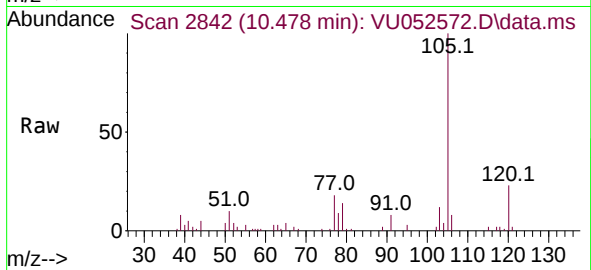




#60
Isopropylbenzene
Concen: 0.302 ug/L
RT: 10.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

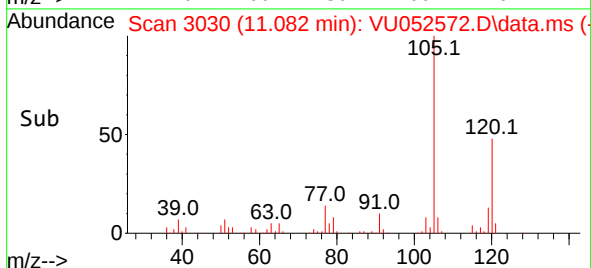
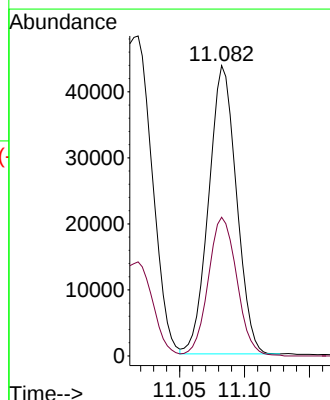
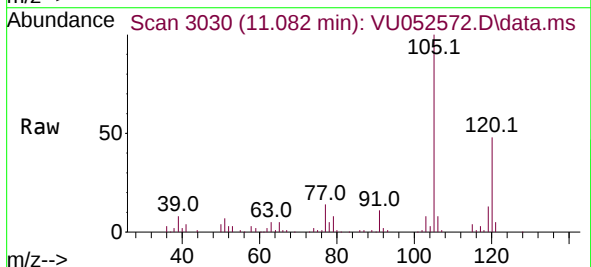
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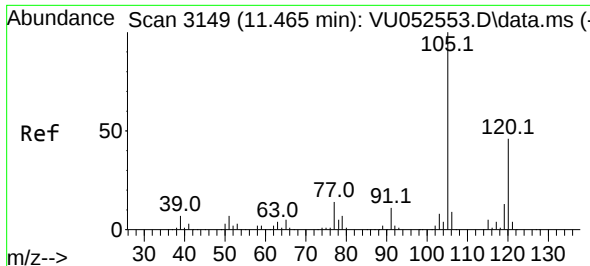
Tgt Ion:105 Resp: 17815
Ion Ratio Lower Upper
105 100
120 24.2 20.6 31.0
77 19.3 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 1.336 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

Tgt Ion:105 Resp: 64911
Ion Ratio Lower Upper
105 100
120 49.6 38.6 57.8

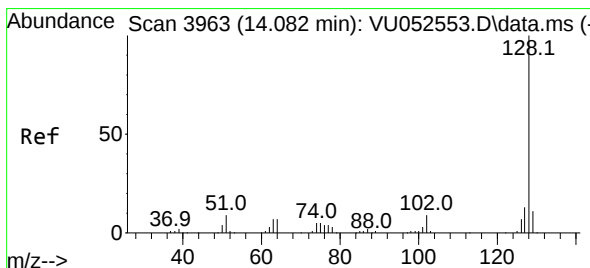
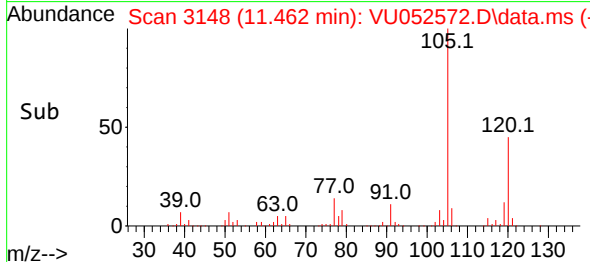
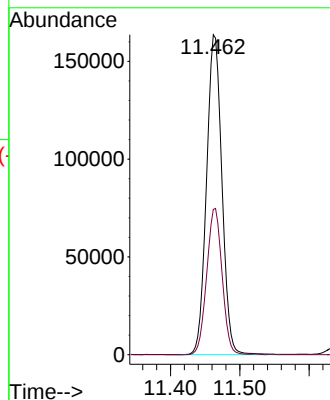
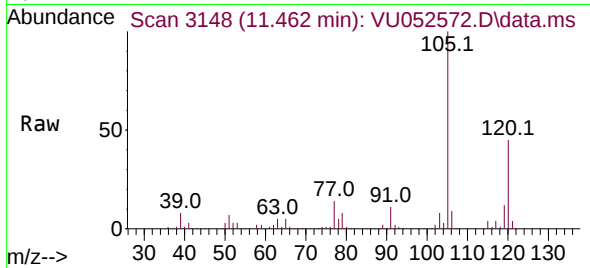




#63
1,2,4-Trimethylbenzene
Concen: 5.140 ug/L
RT: 11.462 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

Instrument :
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ClientSampleId :
GBQB6DL

Tgt Ion:105 Resp: 251480
Ion Ratio Lower Upper
105 100
120 45.7 35.6 53.4



#71
Naphthalene
Concen: 0.662 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052572.D
Acq: 27 Dec 2022 18:12

Tgt Ion:128 Resp: 24253
Ion Ratio Lower Upper
128 100
129 12.9 8.7 13.1
127 15.8 10.6 16.0

