

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042722\
 Data File : U048324.D
 Acq On : 27 Apr 2022 18:57
 Operator : SY/MD
 Sample : N2587-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXET1

Quant Time: Apr 28 04:41:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 28 04:33:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	409953	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	430798	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	255455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	165176	43.815	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.640%
7) Chloroethane-d5	1.890	69	126440	47.782	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.560%
11) 1,1-Dichloroethene-d2	2.562	63	213898	35.412	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.820%
21) 2-Butanone-d5	4.620	46	332001	103.257	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.260%
24) Chloroform-d	5.063	84	305252	44.642	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
26) 1,2-Dichloroethane-d4	5.703	65	193825	47.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.540%
32) Benzene-d6	5.729	84	658988	48.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.690	67	212896	47.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.800%
41) Toluene-d8	7.896	98	623713	50.644	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.280%
43) trans-1,3-Dichloroprop...	8.179	79	101899	51.411	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.820%
47) 2-Hexanone-d5	8.636	63	302334	124.754	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.750%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	381563	48.435	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	285453	49.674	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	1796	0.580	ug/L	93
13) Acetone	2.626	43	39015	18.901	ug/L	97
14) Carbon disulfide	2.790	76	32262	4.911	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	2313	0.826	ug/L	91
19) 1,1-Dichloroethane	3.870	63	11830	2.020	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	4779	1.416	ug/L	87
22) 2-Butanone	4.706	43	53701	17.593	ug/L	96
29) Cyclohexane	5.388	56	14500	3.562	ug/L	98
33) Benzene	5.774	78	14709465	1153.251	ug/L	100
34) Trichloroethene	6.542	95	16858	5.392	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	40275	7.358	ug/L	100
42) Toluene	7.970	91	2116601	158.059	ug/L	99
48) 2-Hexanone	8.687	43	27927	6.110	ug/L	# 93
51) Chlorobenzene	9.449	112	13753284	1424.848	ug/L	96
52) Ethylbenzene	9.571	91	115730	8.345	ug/L	99
53) m,p-Xylene	9.693	106	73364	13.405	ug/L	96
54) o-Xylene	10.102	106	50969	9.245	ug/L	99
61) Isopropylbenzene	10.484	105	13576	0.950	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	14973	1.989	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Apr 28 04:33:44 2022
Response via : Initial Calibration

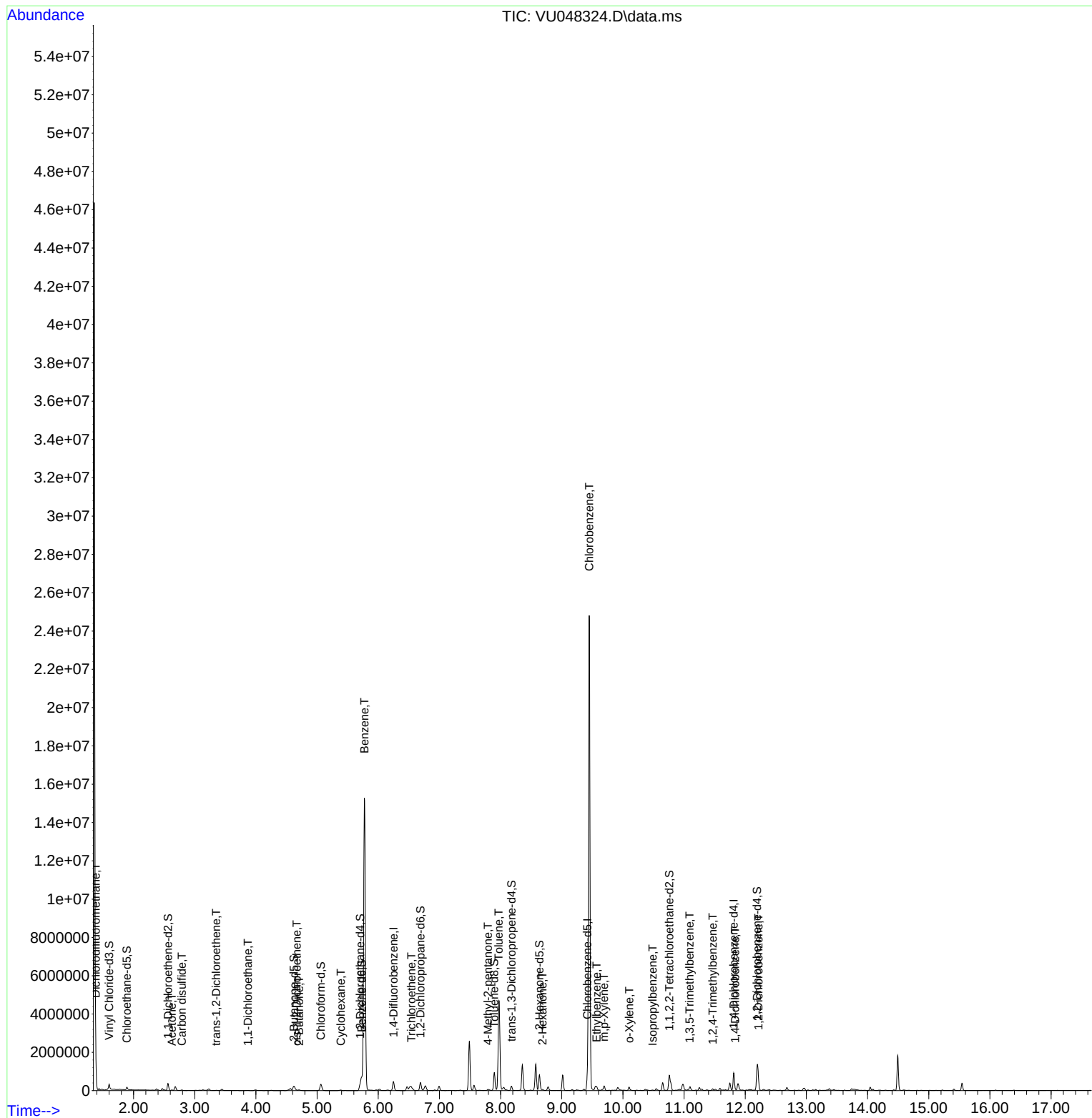
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	46276	3.998	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	19705	2.410	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	44720	5.301	ug/L	98

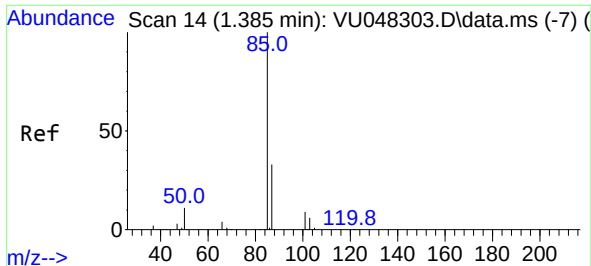
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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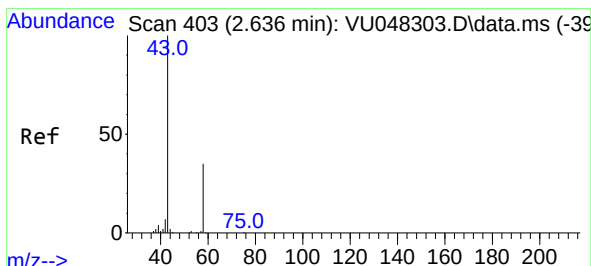
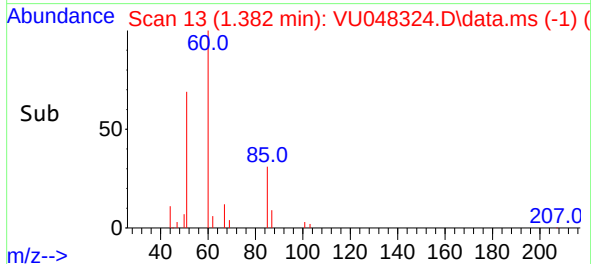
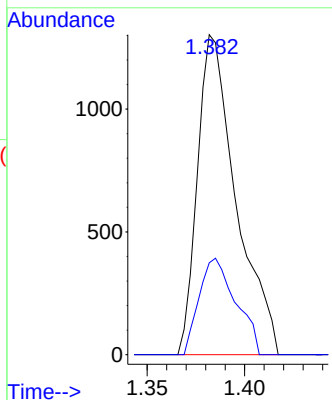
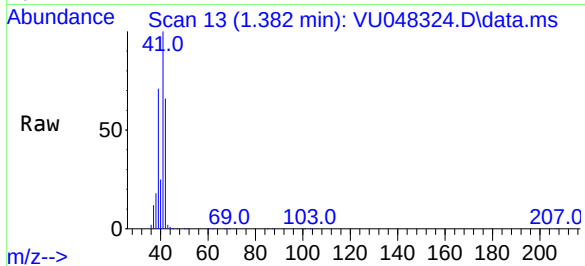




#2
Dichlorodifluoromethane
Concen: 0.580 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

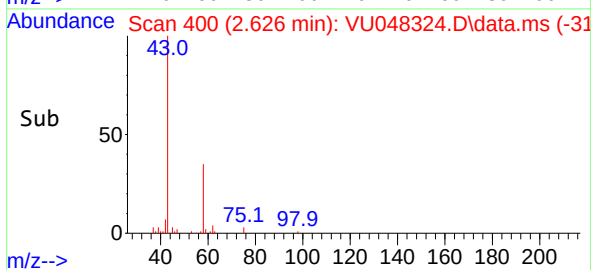
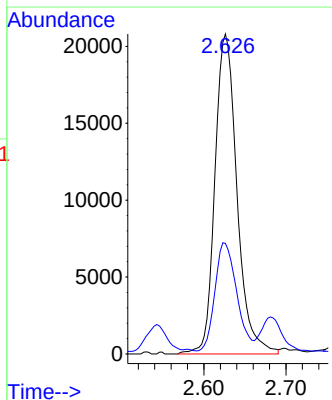
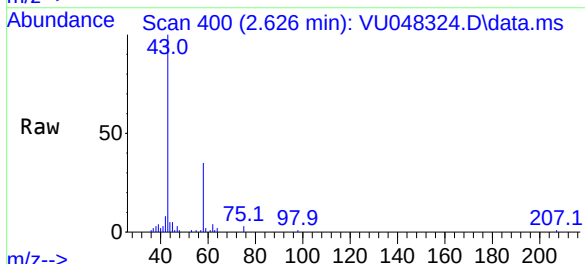
Instrument :
MSVOA_U
ClientSampleId :
EXET1

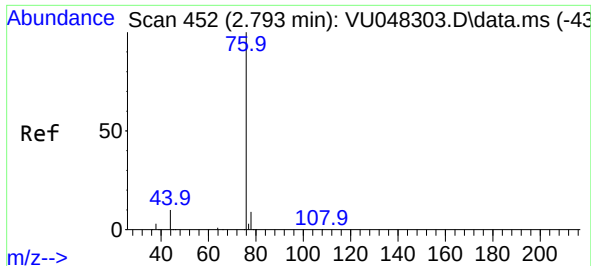
Tgt Ion: 85 Resp: 1796
Ion Ratio Lower Upper
85 100
87 28.7 26.1 39.1



#13
Acetone
Concen: 18.901 ug/L
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 43 Resp: 39015
Ion Ratio Lower Upper
43 100
58 33.7 0.0 71.2

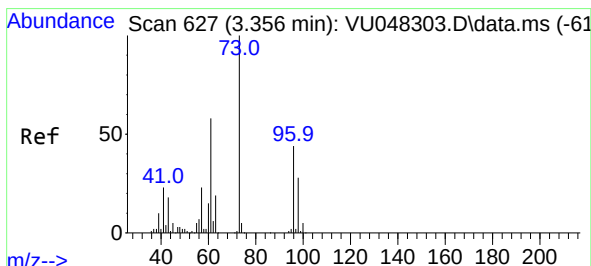
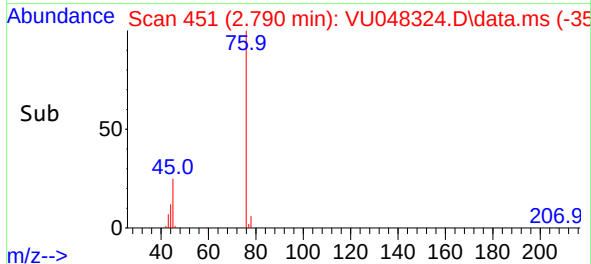
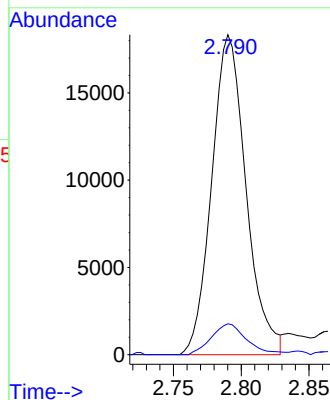
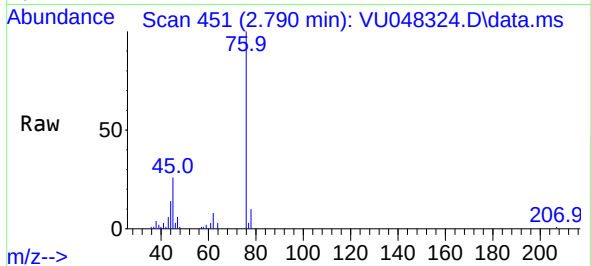




#14
Carbon disulfide
Concen: 4.911 ug/L
RT: 2.790 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

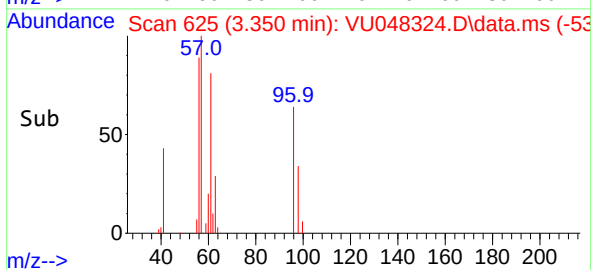
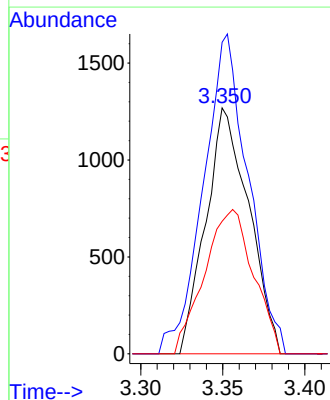
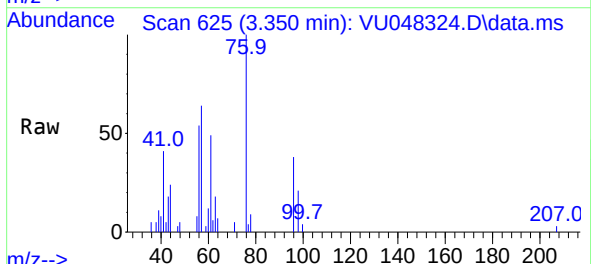
Instrument :
MSVOA_U
ClientSampleId :
EXET1

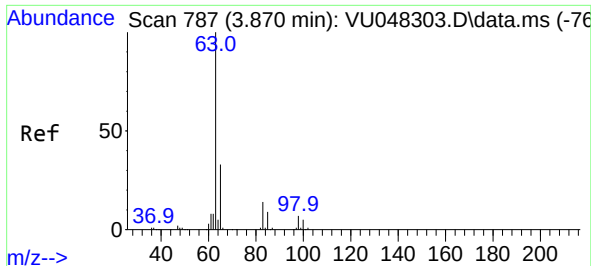
Tgt Ion: 76 Resp: 32262
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#17
trans-1,2-Dichloroethene
Concen: 0.826 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.006 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 96 Resp: 2313
Ion Ratio Lower Upper
96 100
61 126.6 95.2 176.8
98 53.9 44.7 83.1

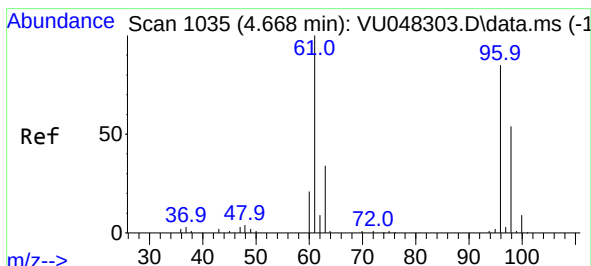
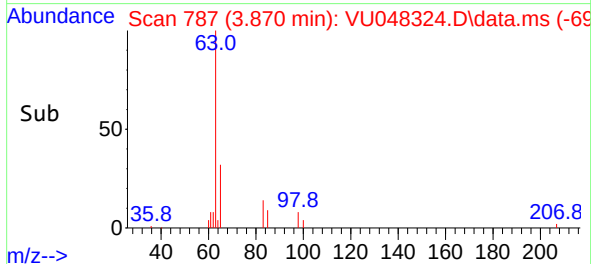
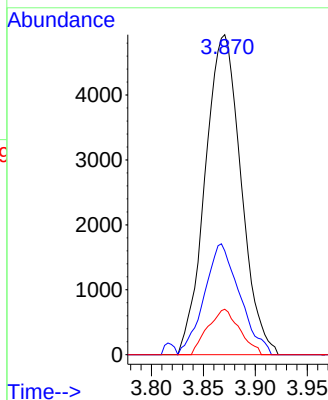
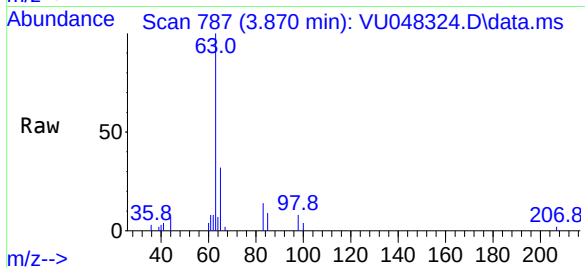




#19
1,1-Dichloroethane
Concen: 2.020 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

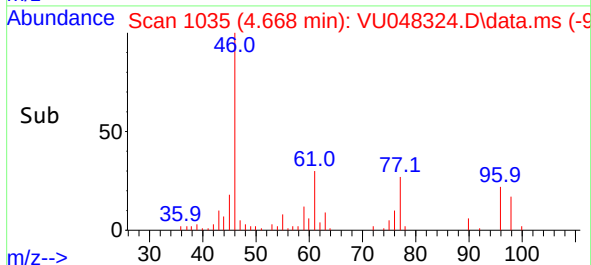
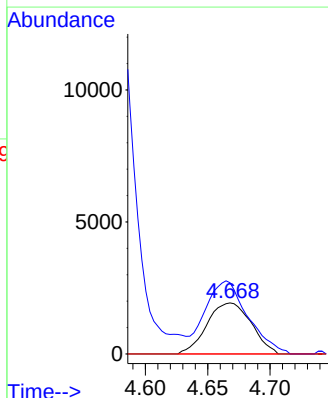
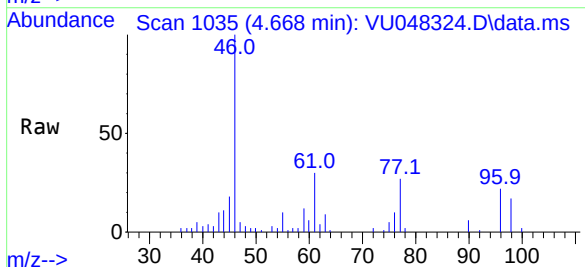
Instrument :
MSVOA_U
ClientSampleId :
EXET1

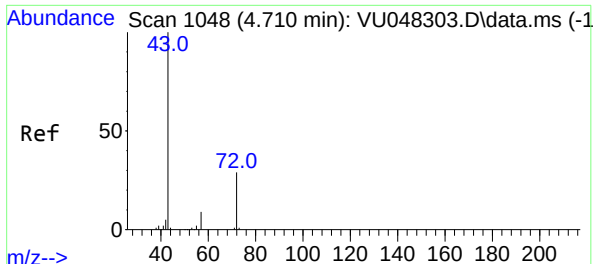
Tgt Ion: 63 Resp: 11830
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 14.2 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 1.416 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 96 Resp: 4779
Ion Ratio Lower Upper
96 100
61 139.4 87.0 161.6
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 17.593 ug/L

RT: 4.706 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU048324.D

Acq: 27 Apr 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

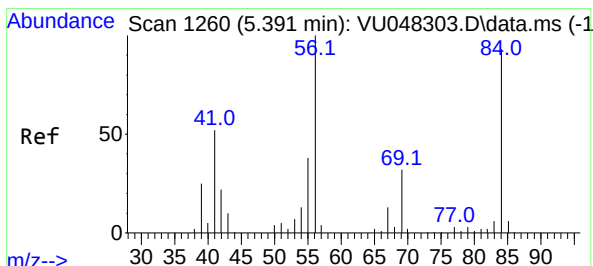
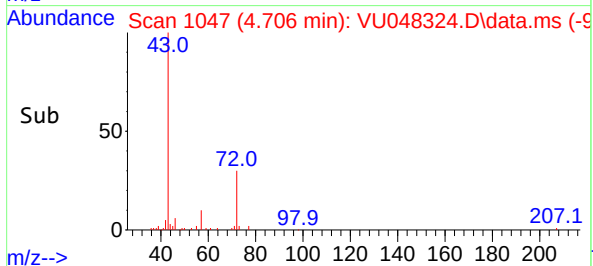
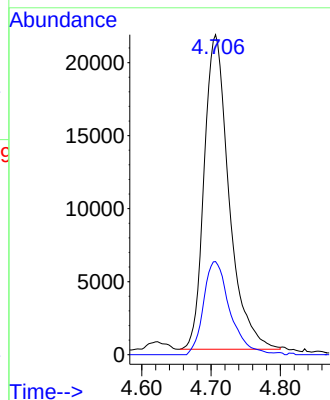
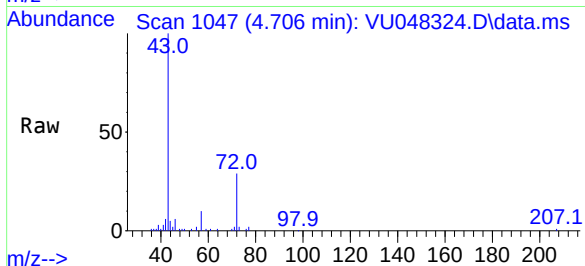
EXET1

Tgt Ion: 43 Resp: 53701

Ion Ratio Lower Upper

43 100

72 31.3 14.6 43.8



#29

Cyclohexane

Concen: 3.562 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048324.D

Acq: 27 Apr 2022 18:57

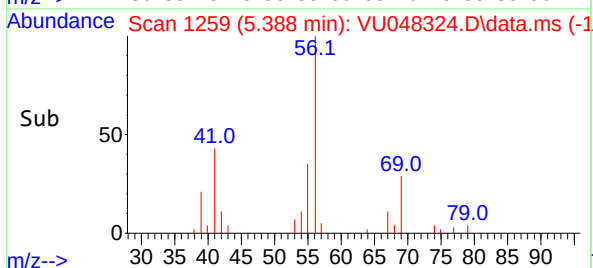
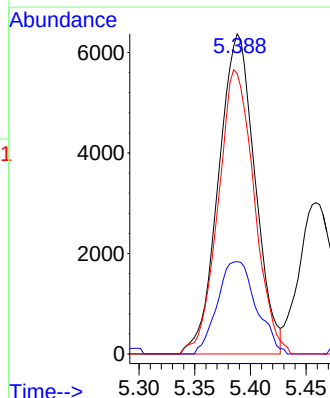
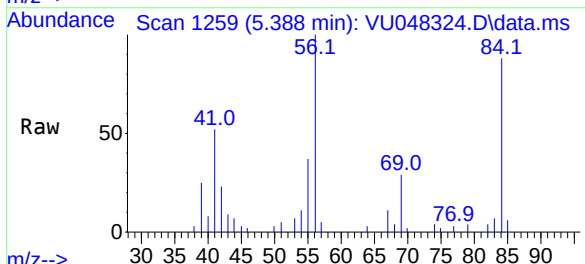
Tgt Ion: 56 Resp: 14500

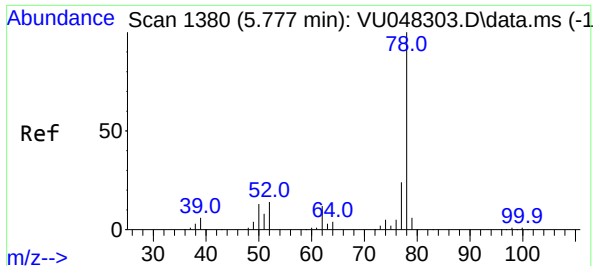
Ion Ratio Lower Upper

56 100

69 30.7 24.2 36.4

84 87.8 72.2 108.2

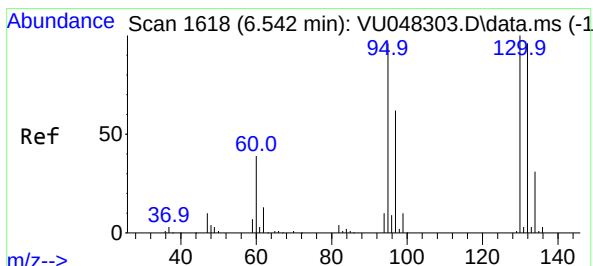
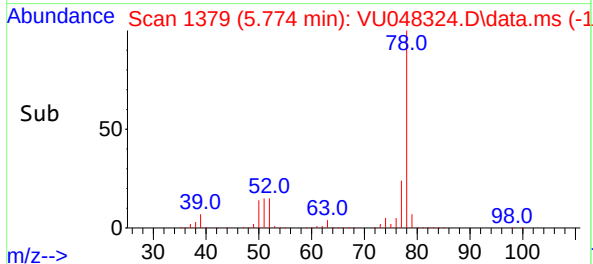
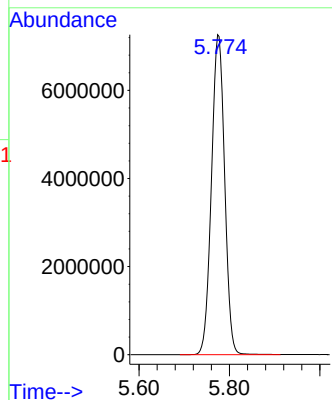
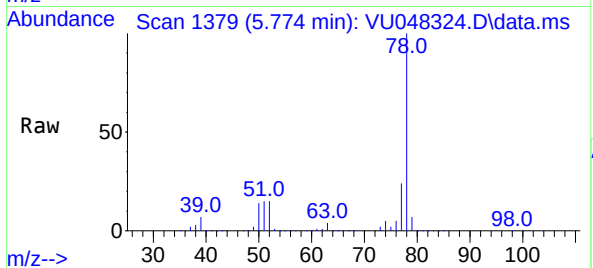




#33
Benzene
Concen: 1153.251 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048324.D
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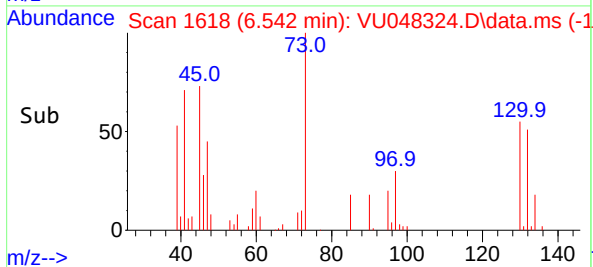
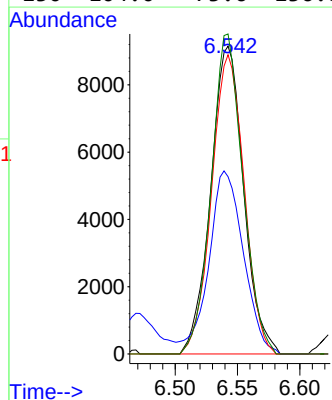
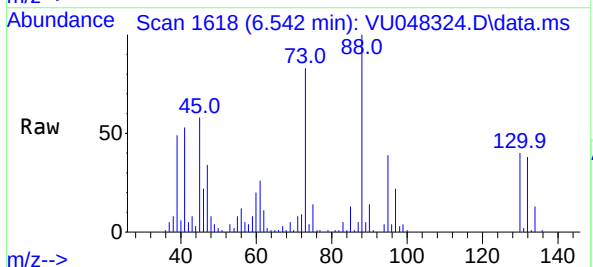
Tgt Ion: 78 Resp:14709465

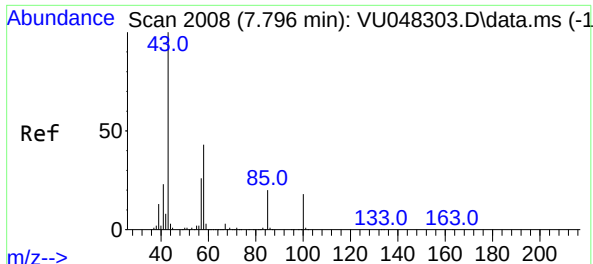


#34
Trichloroethene
Concen: 5.392 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 95 Resp: 16858

Ion	Ratio	Lower	Upper
95	100		
97	57.6	45.8	85.2
132	97.2	71.6	133.0
130	104.0	73.6	136.8





#40

4-Methyl-2-pentanone

Concen: 7.358 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU048324.D

Acq: 27 Apr 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

EXET1

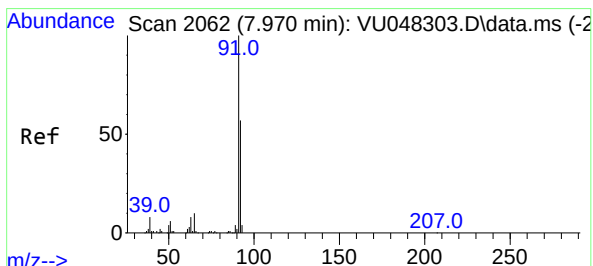
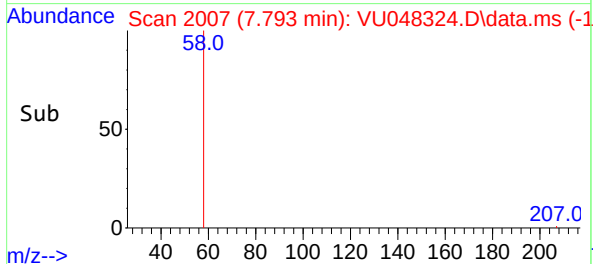
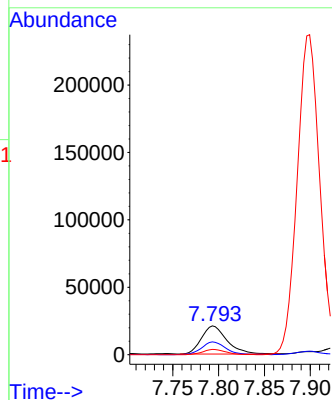
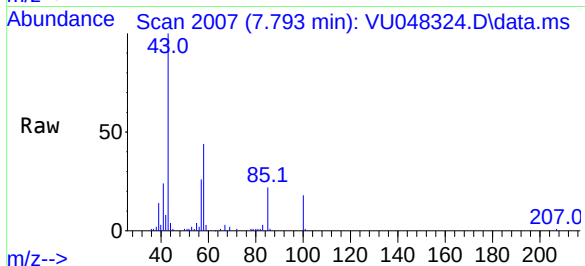
Tgt Ion: 43 Resp: 40275

Ion Ratio Lower Upper

43 100

58 42.6 34.4 51.6

100 17.0 13.6 20.4



#42

Toluene

Concen: 158.059 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048324.D

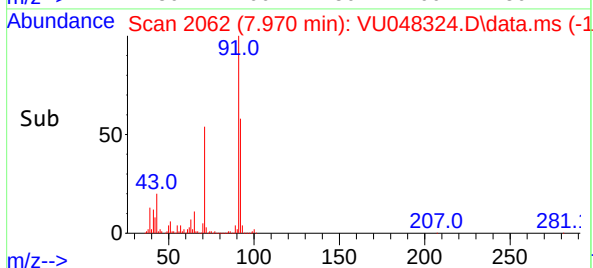
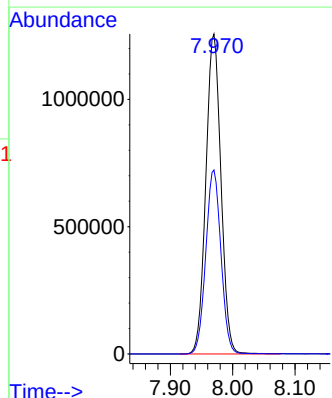
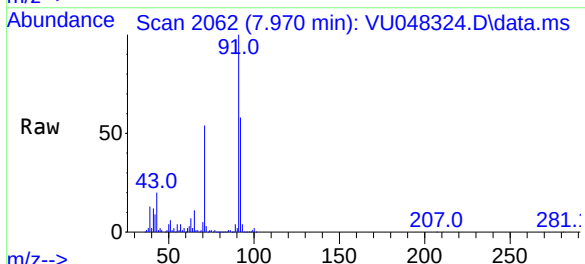
Acq: 27 Apr 2022 18:57

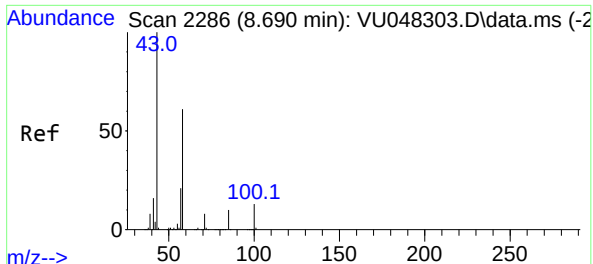
Tgt Ion: 91 Resp: 2116601

Ion Ratio Lower Upper

91 100

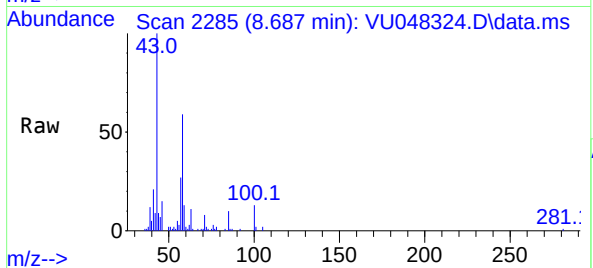
92 57.5 40.9 76.0





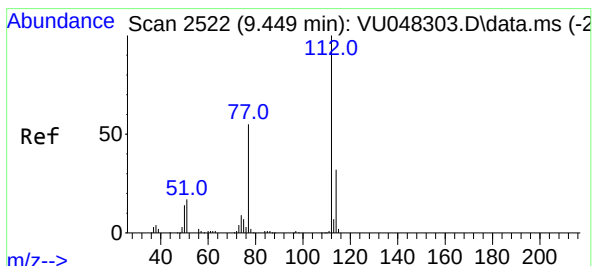
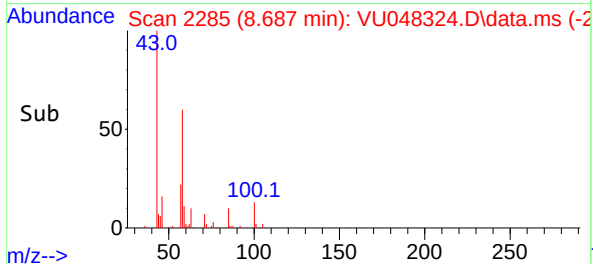
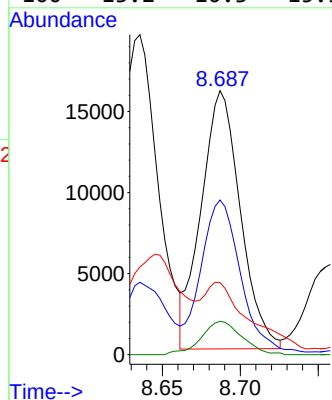
#48
2-Hexanone
Concen: 6.110 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Instrument :
MSVOA_U
ClientSampleId :
EXET1



Tgt Ion: 43 Resp: 27927

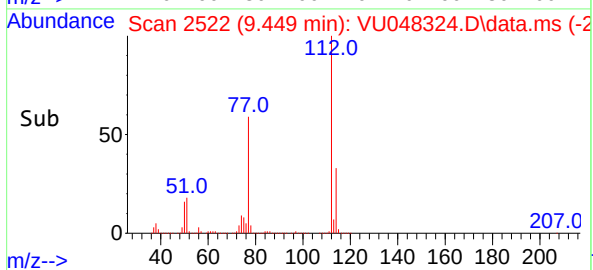
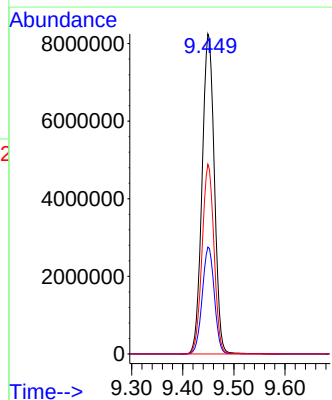
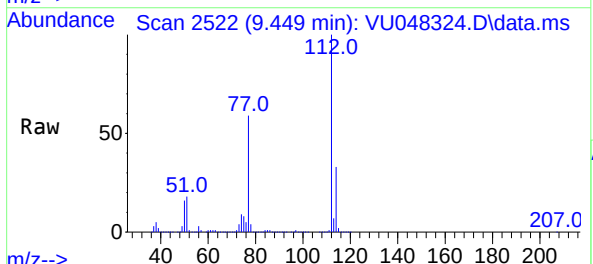
Ion	Ratio	Lower	Upper
43	100		
58	58.7	48.1	72.1
57	32.0	16.2	24.4
100	13.2	10.3	15.5

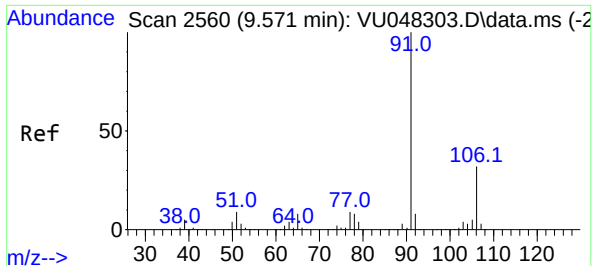


#51
Chlorobenzene
Concen: 1424.848 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 112 Resp: 13753284

Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.7	42.1
77	59.3	44.3	66.5

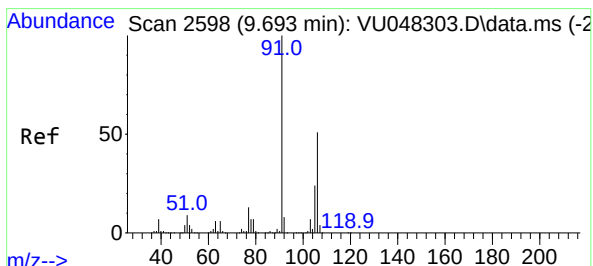
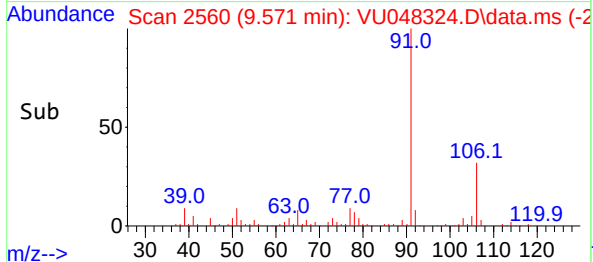
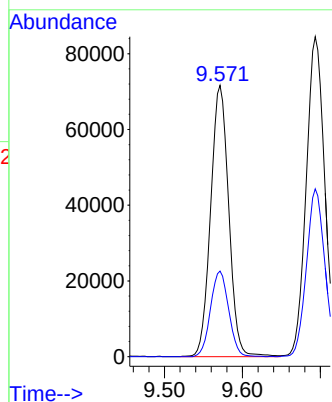
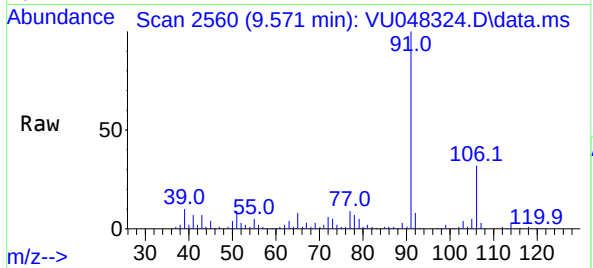




#52
Ethylbenzene
Concen: 8.345 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

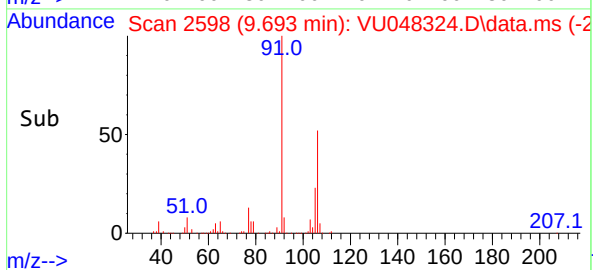
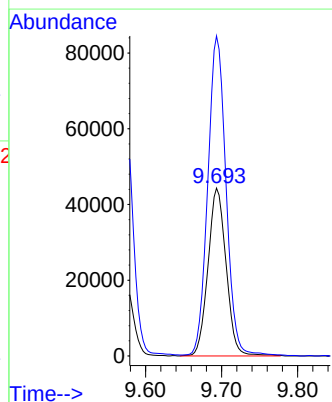
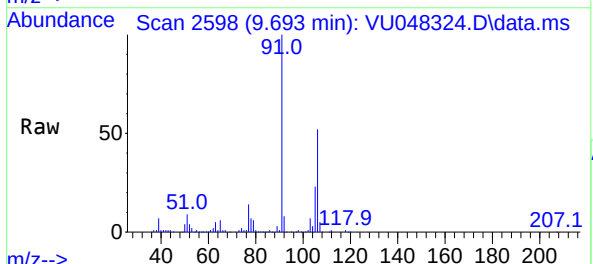
Instrument :
MSVOA_U
ClientSampleId :
EXET1

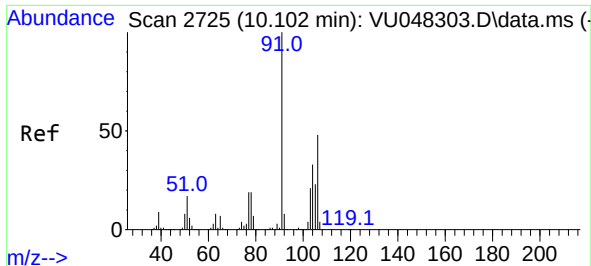
Tgt Ion: 91 Resp: 115730
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.9



#53
m,p-Xylene
Concen: 13.405 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion: 106 Resp: 73364
Ion Ratio Lower Upper
106 100
91 190.7 137.4 255.2

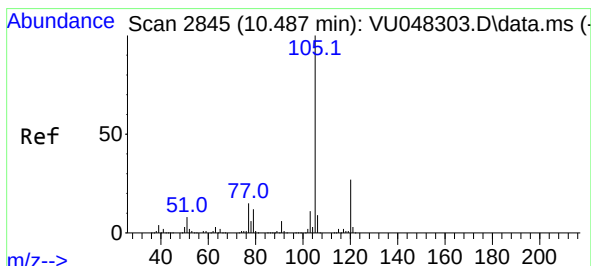
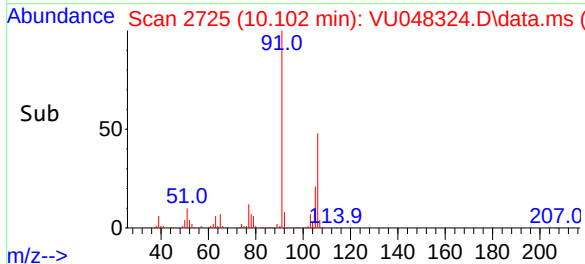
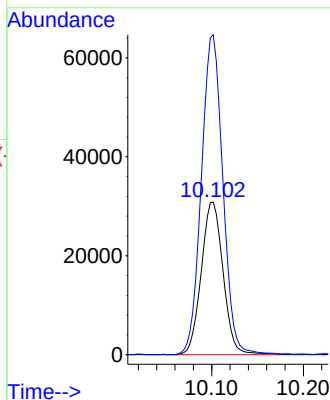
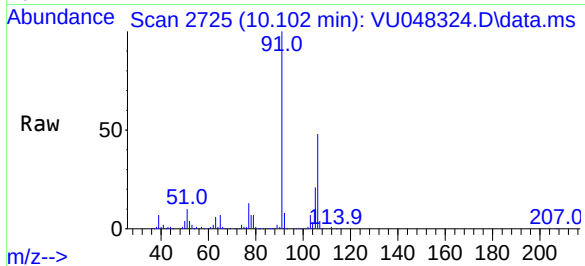




#54
o-Xylene
Concen: 9.245 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

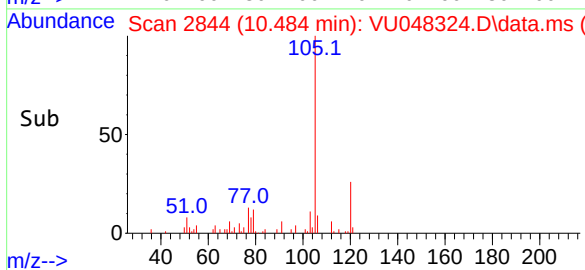
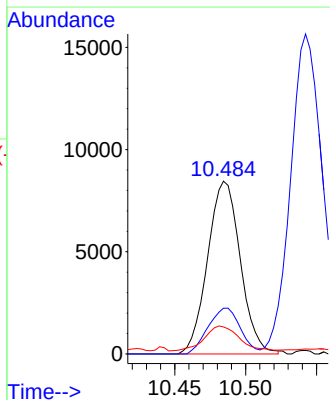
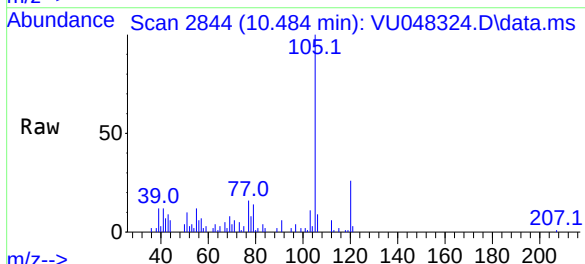
Instrument :
MSVOA_U
ClientSampleId :
EXET1

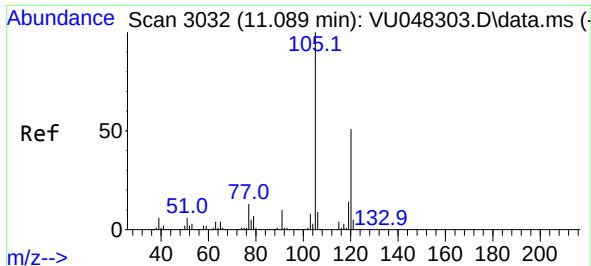
Tgt Ion:106 Resp: 50969
Ion Ratio Lower Upper
106 100
91 209.7 145.3 269.8



#61
Isopropylbenzene
Concen: 0.950 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion:105 Resp: 13576
Ion Ratio Lower Upper
105 100
120 26.2 21.7 32.5
77 15.1 11.7 17.5

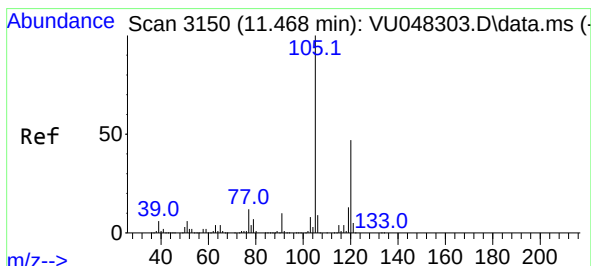
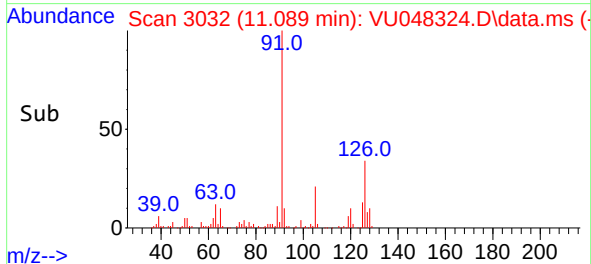
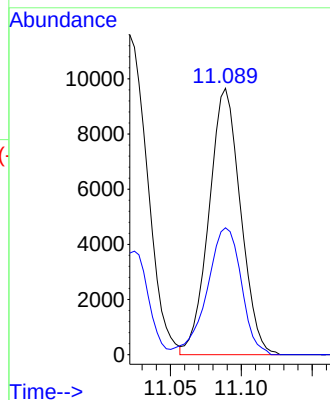
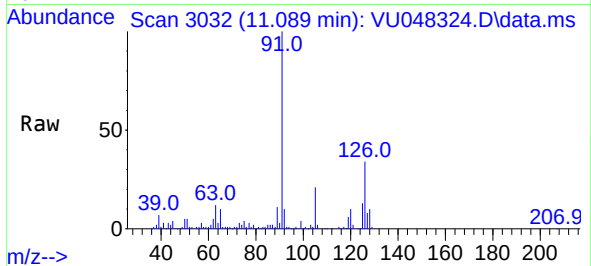




#62
1,3,5-Trimethylbenzene
Concen: 1.989 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

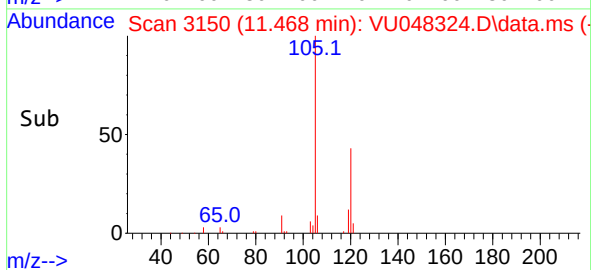
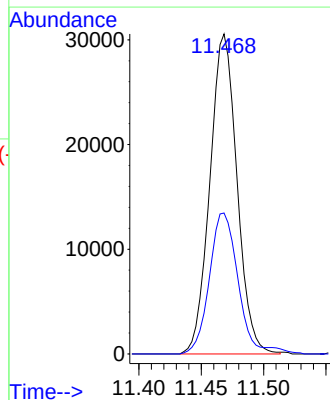
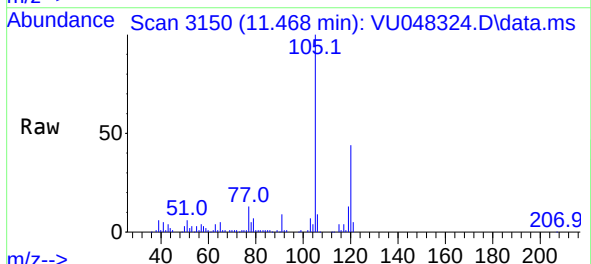
Instrument :
MSVOA_U
ClientSampleId :
EXET1

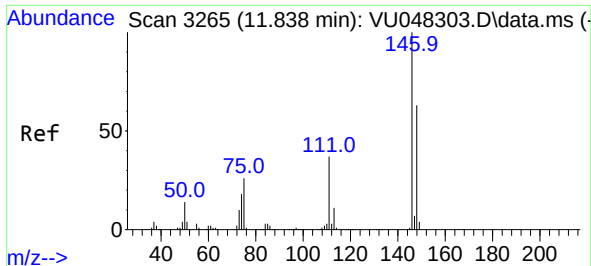
Tgt Ion:105 Resp: 14973
Ion Ratio Lower Upper
105 100
120 51.7 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 3.998 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion:105 Resp: 46276
Ion Ratio Lower Upper
105 100
120 45.9 38.0 57.0

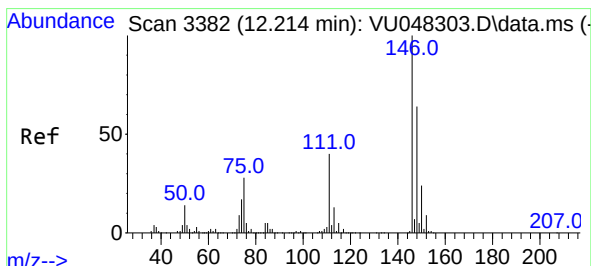
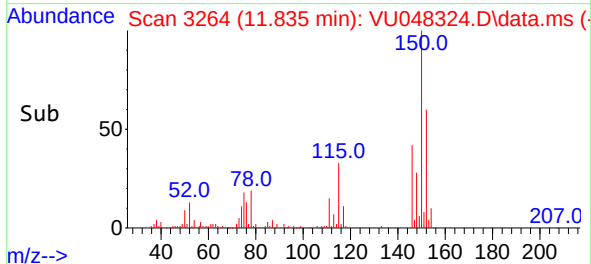
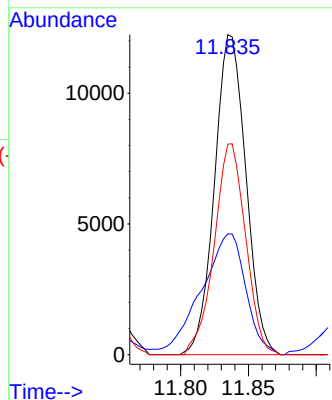
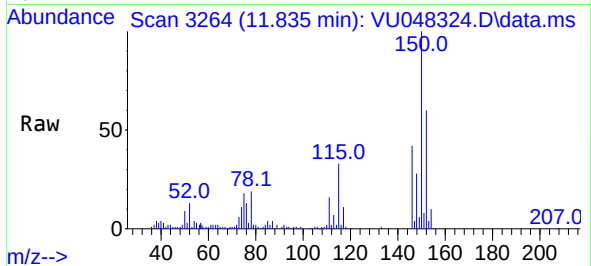




#65
1,4-Dichlorobenzene
Concen: 2.410 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Instrument :
MSVOA_U
ClientSampleId :
EXET1

Tgt Ion:146 Resp: 19705
Ion Ratio Lower Upper
146 100
111 37.8 25.9 48.1
148 65.8 45.1 83.7



#67
1,2-Dichlorobenzene
Concen: 5.301 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048324.D
Acq: 27 Apr 2022 18:57

Tgt Ion:146 Resp: 44720
Ion Ratio Lower Upper
146 100
111 41.3 31.7 47.5
148 64.9 50.9 76.3

