

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040721\
 Data File : VU042980.D
 Acq On : 07 Apr 2021 14:49
 Operator : SY/MD
 Sample : M1906-07
 Misc : 5.0g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X3312

Manual Integrations
 APPROVED

MMDadoda
 4/9/2021 12:55:48 PM

Quant Time: Apr 09 09:46:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM040721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 08:47:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.257	114	221015	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.433	117	225369	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.825	152	115539	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	53033	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.880	69	32180	29.89	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.78%#
11) 1,1-Dichloroethene-d2	2.540	63	103023	34.85	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.70%
21) 2-Butanone-d5	4.646	46	164887	92.73	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.73%
24) Chloroform-d	5.073	84	148101	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
26) 1,2-Dichloroethane-d4	5.710	65	104119	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
32) Benzene-d6	5.729	84	253249	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.700	67	88970	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.906	98	254586	44.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.22%
43) trans-1,3-Dichloroprop...	8.192	79	47682	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.671	63	109299	89.09	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.09%
56) 1,1,2,2-Tetrachloroeth...	10.774	84	141267	42.38	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.76%
66) 1,2-Dichlorobenzene-d4	12.205	152	105238	45.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.58%
Target Compounds						
					Qvalue	
13) Acetone	2.649	43	209083	146.67	ug/L	99
15) Methyl Acetate	2.964	43	4429	1.77	ug/L #	84
16) Methylene chloride	3.041	84	167178	105.47	ug/L	96
17) trans-1,2-Dichloroethene	3.340	96	61179	42.15	ug/L	97
19) 1,1-Dichloroethane	3.868	63	85081	28.69	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	130609	80.29	ug/L	98
23) Bromochloromethane	4.986	128	45871	52.90	ug/L	96
25) Chloroform	5.096	83	257918	83.82	ug/L	100
27) 1,2-Dichloroethane	5.800	62	196880	70.23	ug/L	99
31) Carbon tetrachloride	5.523	117	66226	26.69	ug/L	99
33) Benzene	5.777	78	1084803	167.68	ug/L	100
34) Trichloroethene	6.546	95	203553	115.69	ug/L	99
38) Bromodichloromethane	7.118	83	219208	89.83	ug/L	99
40) 4-Methyl-2-pentanone	7.842	43	496874m	126.88	ug/L	
42) Toluene	7.977	91	204456	28.25	ug/L	96
46) Tetrachloroethene	8.559	164	231766	164.82	ug/L	98
48) 2-Hexanone	8.723	43	274447	83.35	ug/L	98
49) Dibromochloromethane	8.826	129	119495	59.52	ug/L	98
51) Chlorobenzene	9.462	112	331347	72.64	ug/L	98

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

52) Ethylbenzene	9.584	91	206668	25.43	ug/L	98
53) m,p-Xylene	9.710	106	220198	73.24	ug/L	100
54) o-xylene	10.115	106	144258	47.87	ug/L	96
64) 1,3-Dichlorobenzene	11.758	146	366956	99.50	ug/L	99
67) 1,2-Dichlorobenzene	12.224	146	218040	58.90	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.009	75	111621	130.50	ug/L	98
72) 1,2,3-Trichlorobenzene	14.340	180	91953	43.72	ug/L	98

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

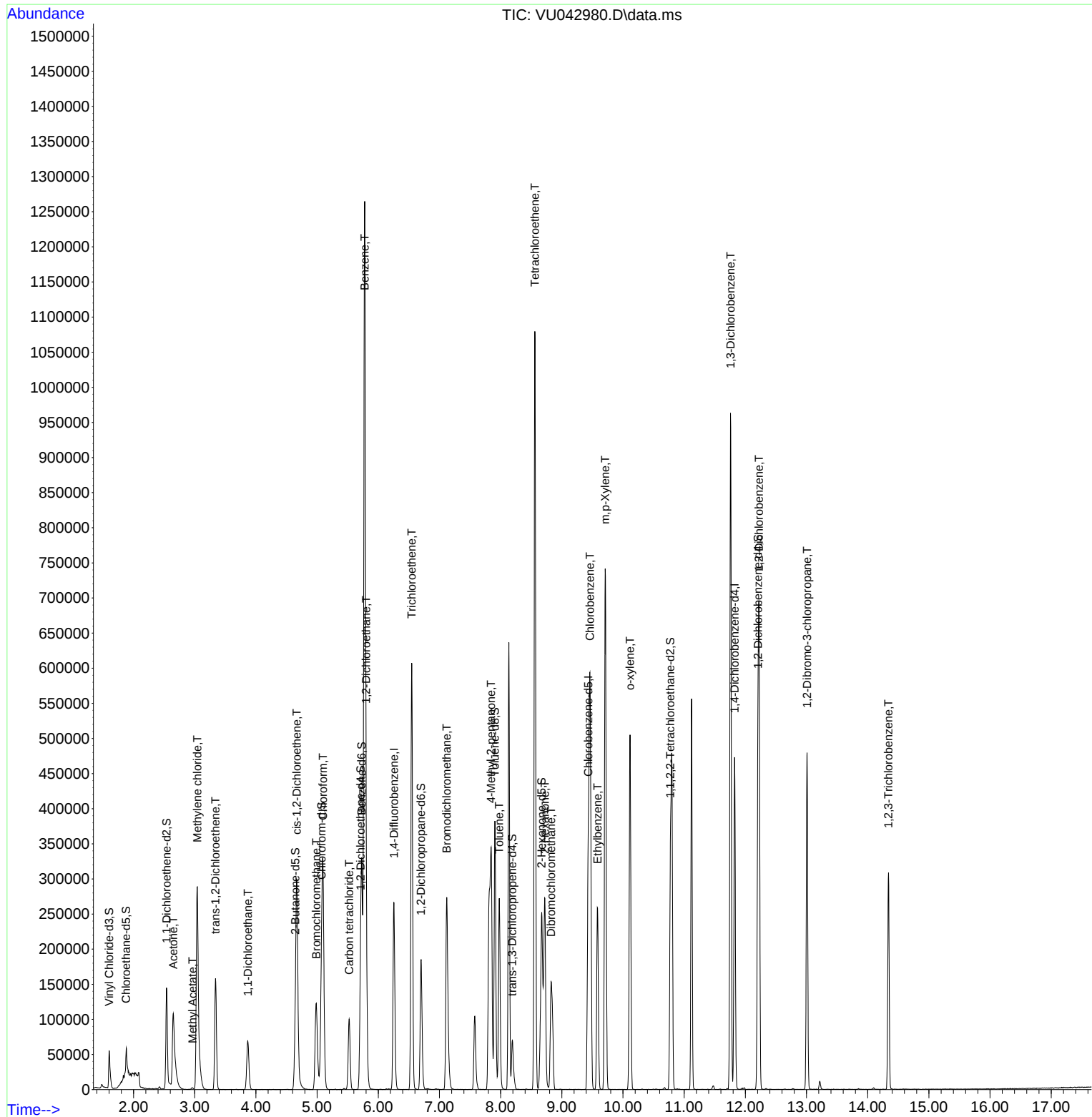
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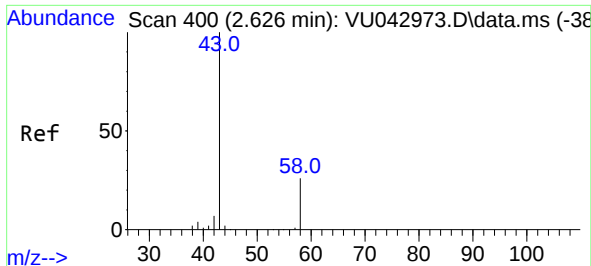
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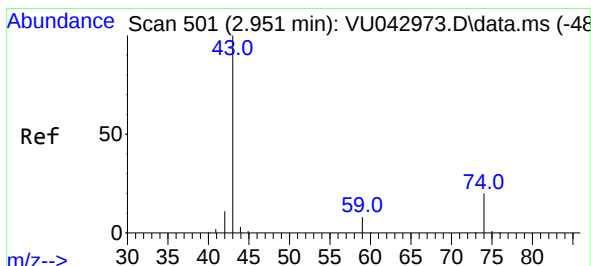
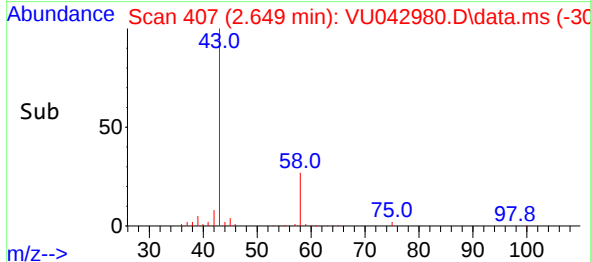
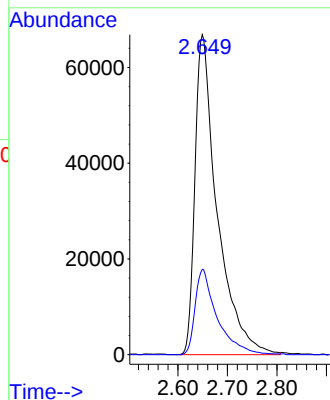
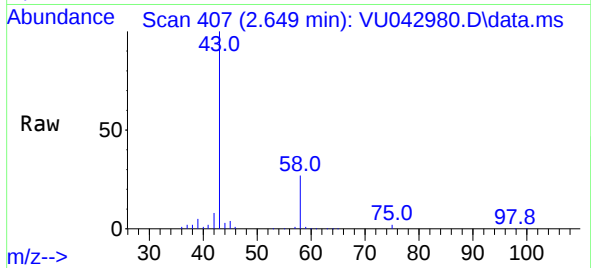
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Acetone
Concen: 146.67 ug/L
RT: 2.649 min Scan# 407
Delta R.T. 0.023 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 43 Resp: 209083
Ion Ratio Lower Upper
43 100
58 26.3 0.0 52.0

Instrument :
MSVOA_U
ClientSampled :
X3312

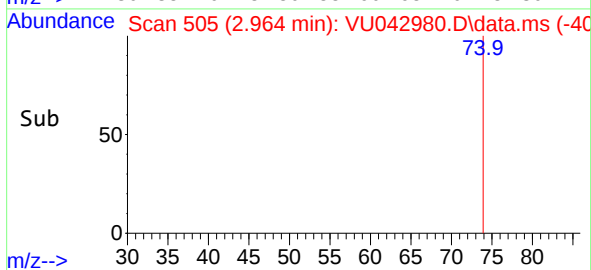
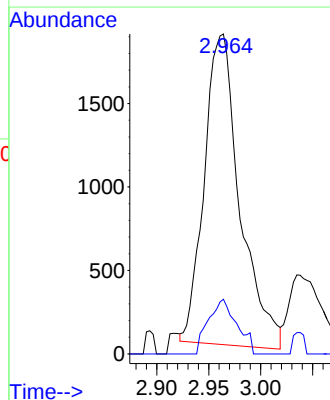
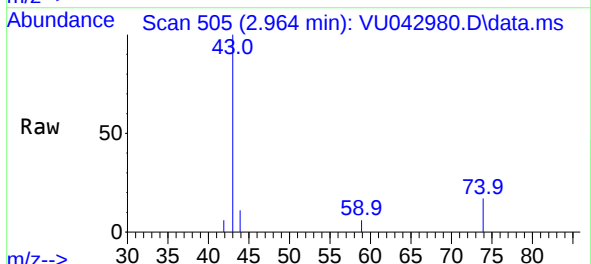
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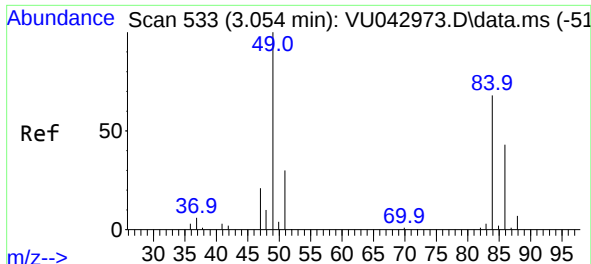
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#15
Methyl Acetate
Concen: 1.77 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.013 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

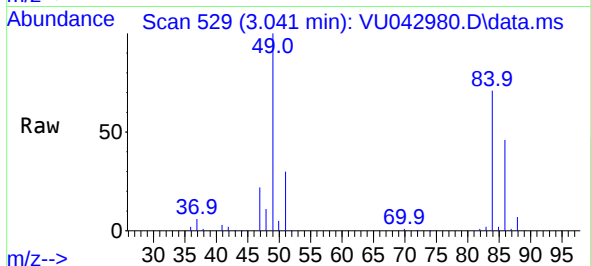
Tgt Ion: 43 Resp: 4429
Ion Ratio Lower Upper
43 100
74 13.0 16.2 24.2#





#16
Methylene chloride
Concen: 105.47 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.013 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

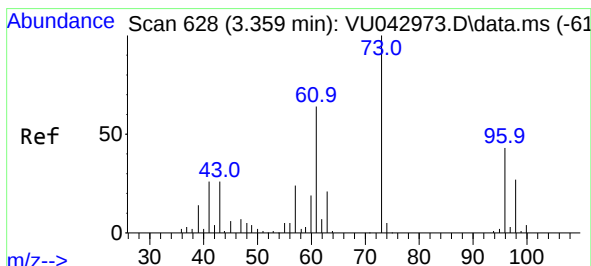
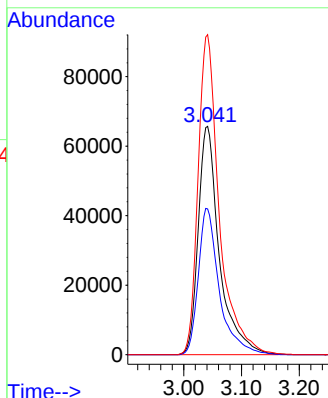
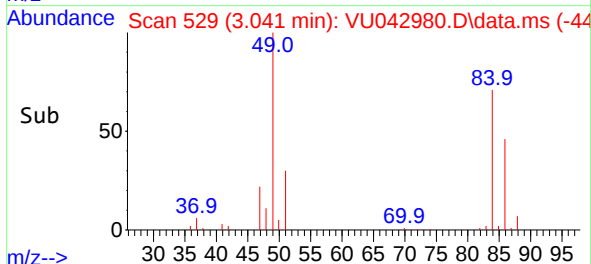
Instrument :
MSVOA_U
ClientSampleId :
X3312



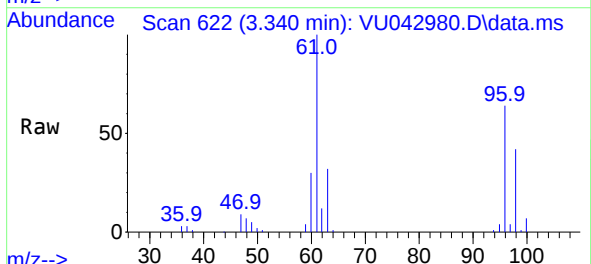
Tgt Ion: 84 Resp: 167178
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 140.2 103.0 191.2

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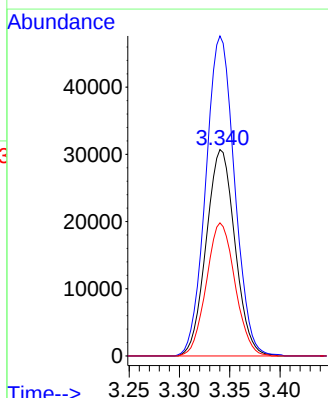
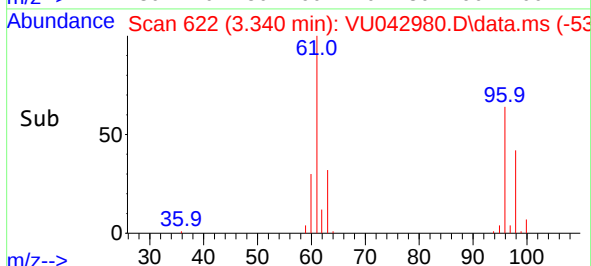
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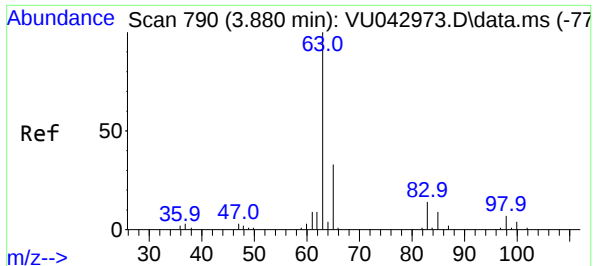


#17
trans-1,2-Dichloroethene
Concen: 42.15 ug/L
RT: 3.340 min Scan# 622
Delta R.T. -0.019 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



Tgt Ion: 96 Resp: 61179
Ion Ratio Lower Upper
96 100
61 155.1 105.4 195.8
98 64.5 43.8 81.4





#19

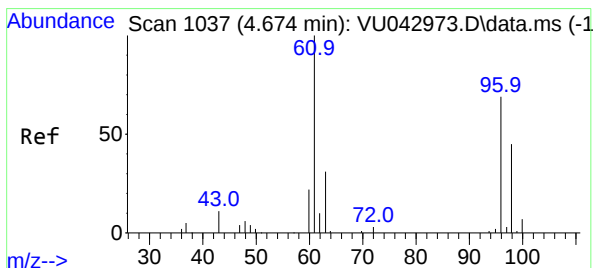
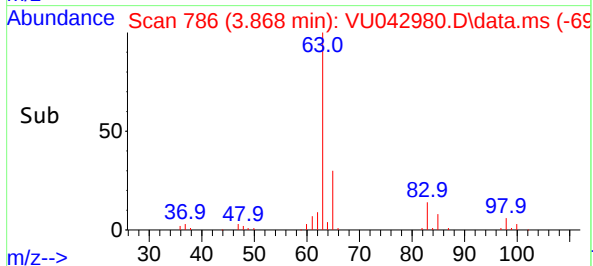
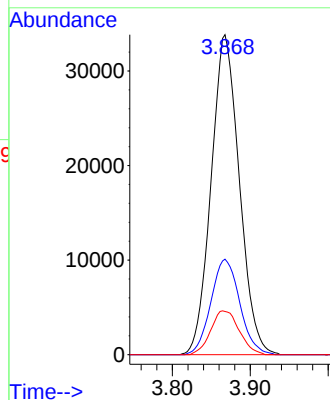
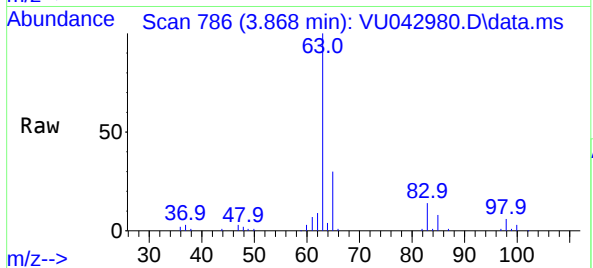
1,1-Dichloroethane
Concen: 28.69 ug/L
RT: 3.868 min Scan# 786
Delta R.T. -0.013 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:	63	Resp:	85081
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.8	42.4
83	13.5	9.9	18.5

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Manual Integrations
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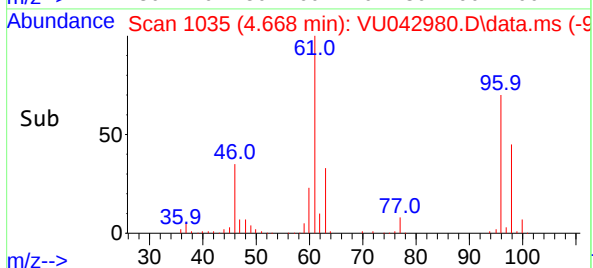
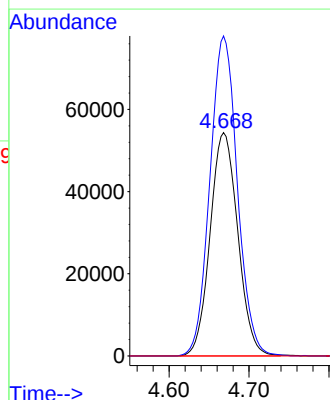
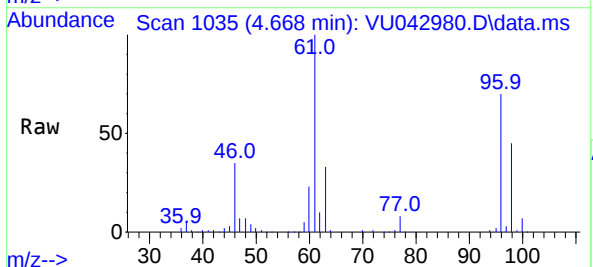
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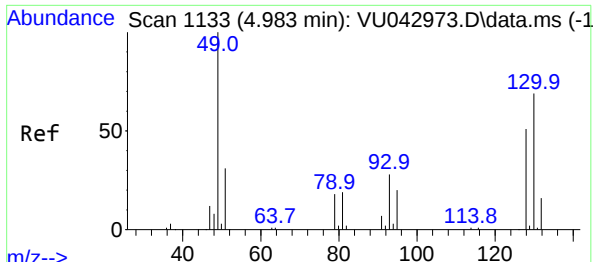


#20

cis-1,2-Dichloroethene
Concen: 80.29 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:	96	Resp:	130609
Ion	Ratio	Lower	Upper
96	100		
61	143.3	101.9	189.3
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 52.90 ug/L

RT: 4.986 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VU042980.D

Acq: 07 Apr 2021 14:49

Tgt Ion:128 Resp: 45871

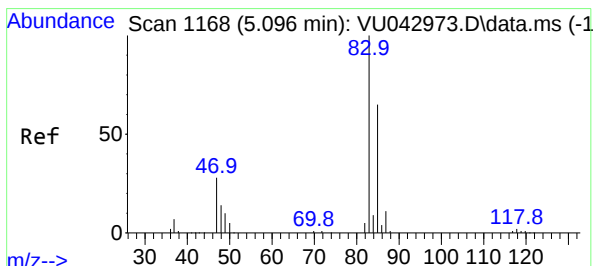
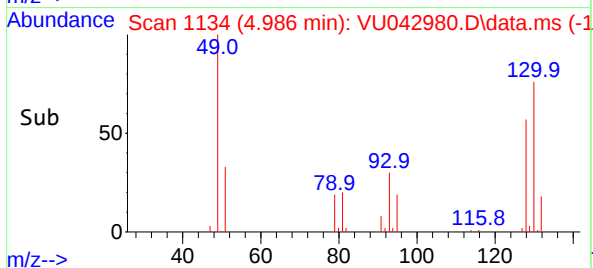
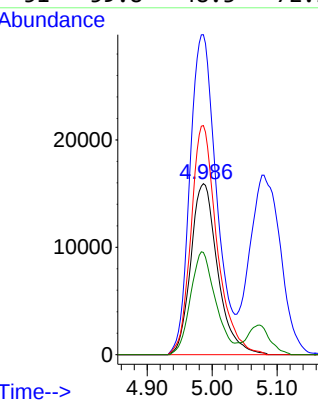
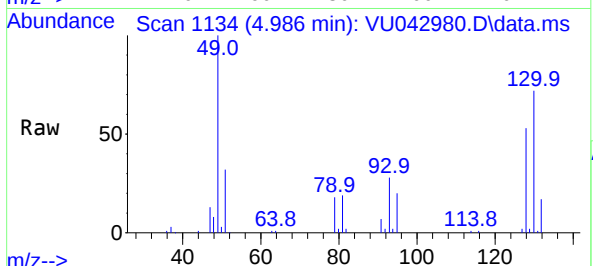
Ion Ratio Lower Upper

128 100

49 187.1 138.5 257.3

130 134.0 95.1 176.5

51 59.8 48.3 72.5



#25

Chloroform

Concen: 83.82 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VU042980.D

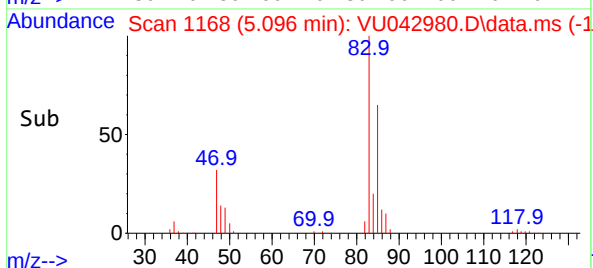
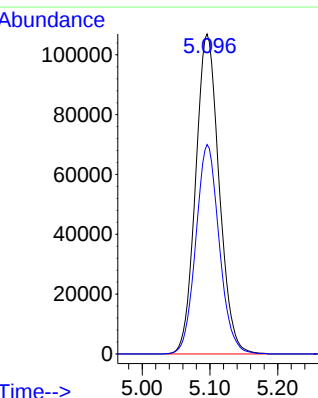
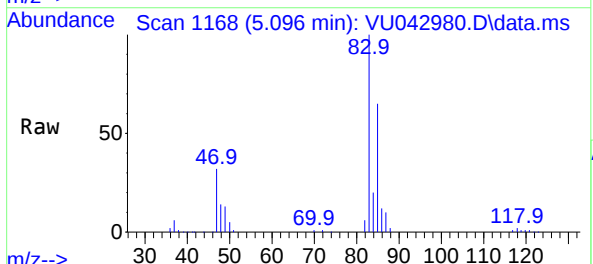
Acq: 07 Apr 2021 14:49

Tgt Ion: 83 Resp: 257918

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0



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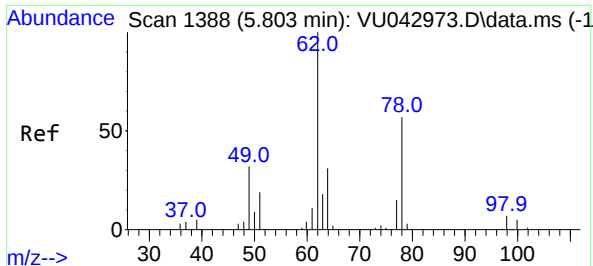
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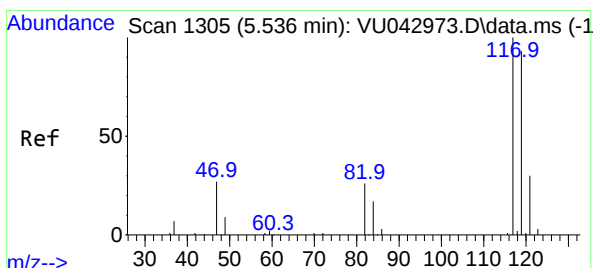
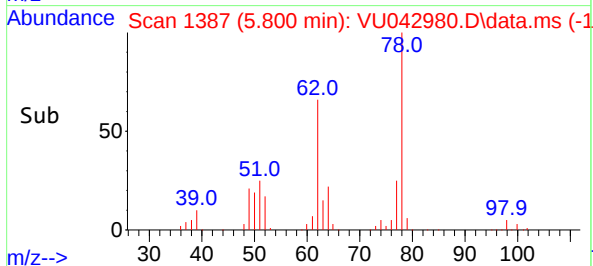
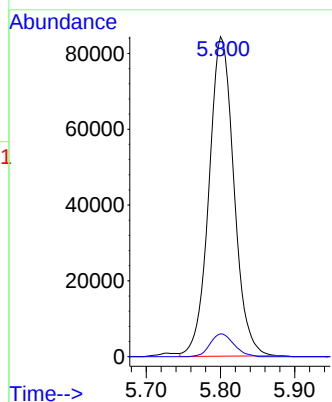
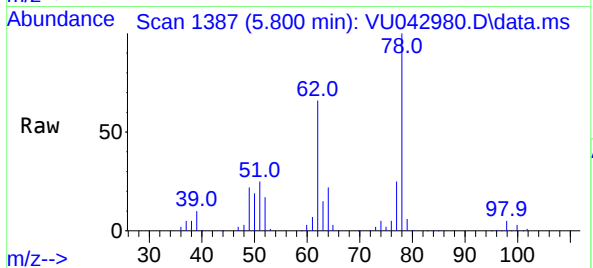
#27
1,2-Dichloroethane
Concen: 70.23 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 62 Resp: 196880
Ion Ratio Lower Upper
62 100
98 7.2 5.9 8.9

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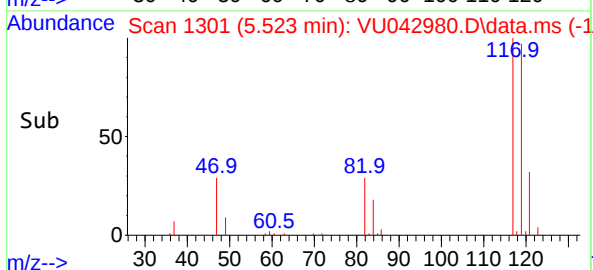
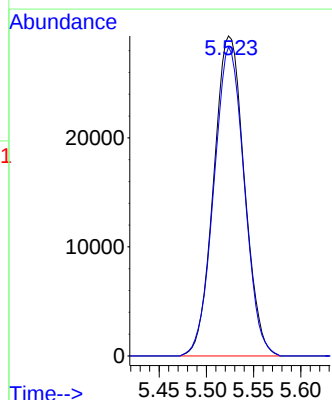
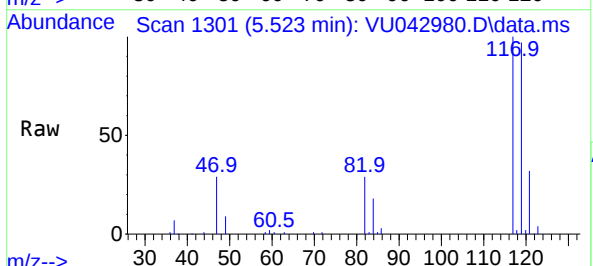
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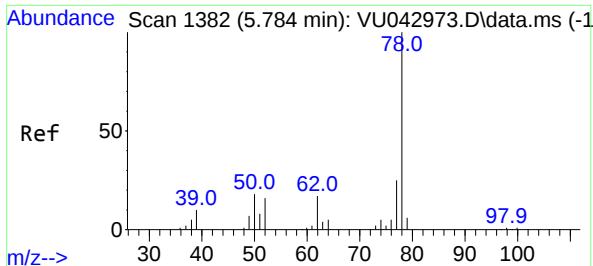
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4/9/2021 12:55:48 PM



#31
Carbon tetrachloride
Concen: 26.69 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.013 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 117 Resp: 66226
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.8





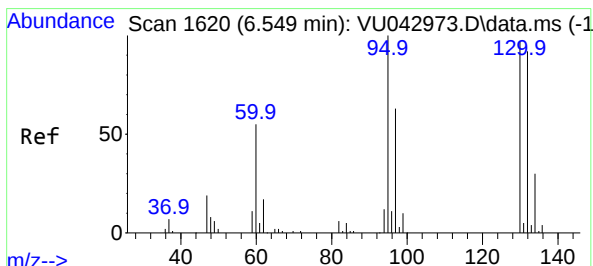
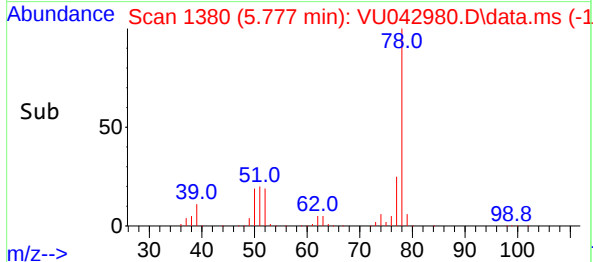
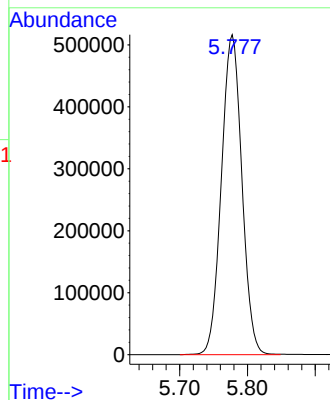
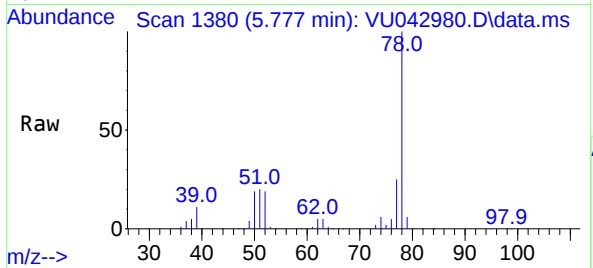
#33
Benzene
Concen: 167.68 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VU042980.D
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Tgt Ion: 78 Resp: 1084803

Instrument :
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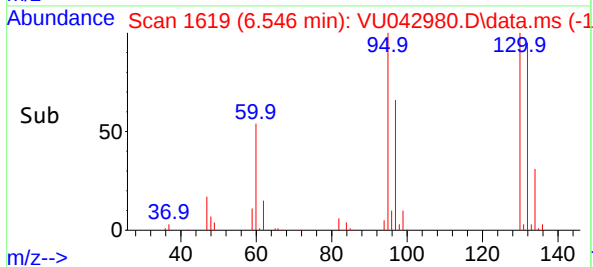
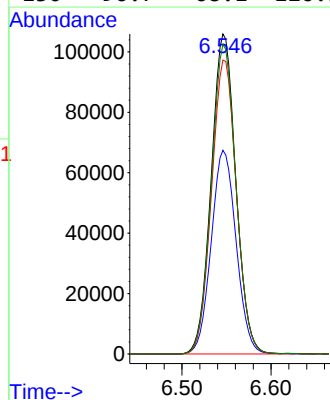
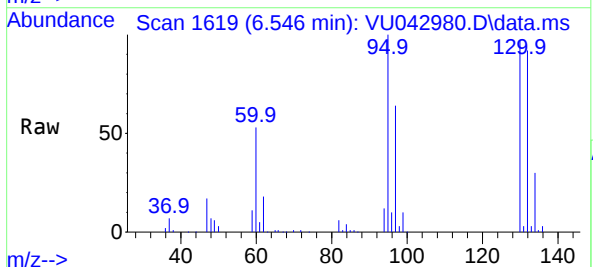
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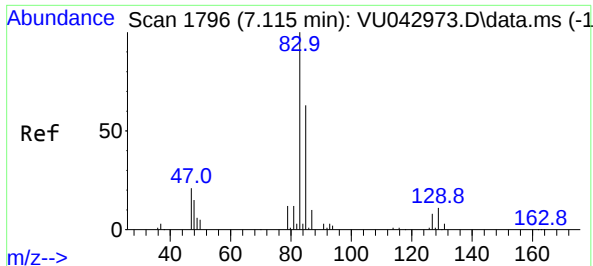


#34
Trichloroethene
Concen: 115.69 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

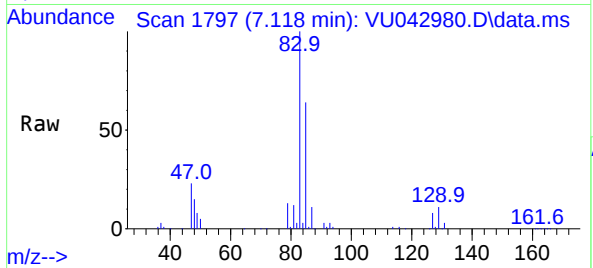
Tgt Ion: 95 Resp: 203553

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.2	82.2
132	91.9	64.7	120.1
130	96.7	68.1	126.5

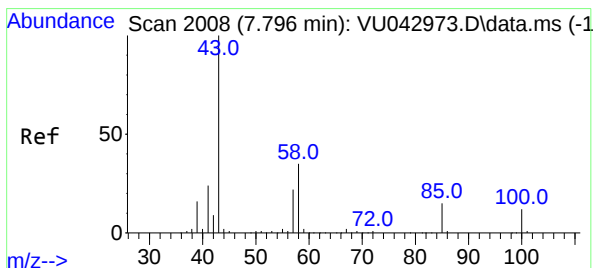
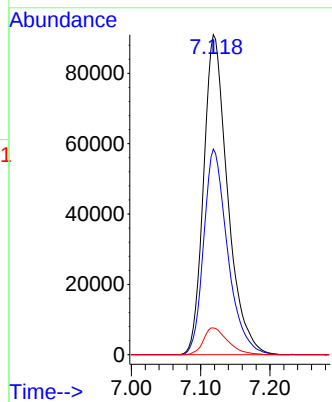
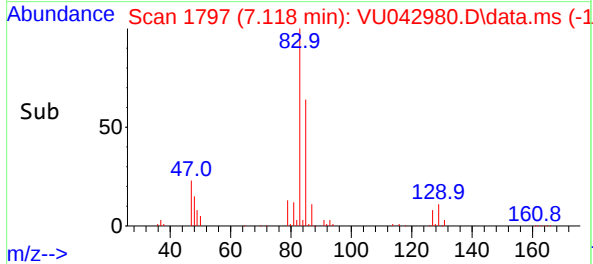




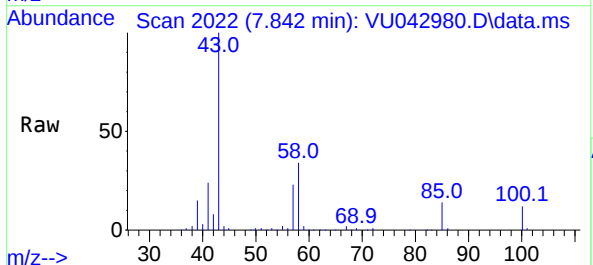
#38
Bromodichloromethane
Concen: 89.83 ug/L
RT: 7.118 min Scan# 1797
Delta R.T. 0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



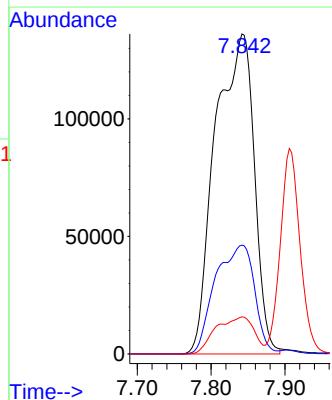
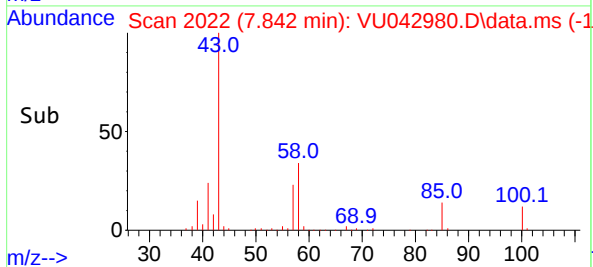
Tgt Ion: 83 Resp: 219208
Ion Ratio Lower Upper
83 100
85 64.2 44.2 82.0
127 8.4 6.5 9.7



#40
4-Methyl-2-pentanone
Concen: 126.88 ug/L m
RT: 7.842 min Scan# 2022
Delta R.T. 0.045 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



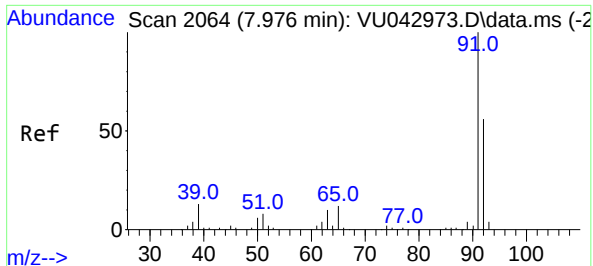
Tgt Ion: 43 Resp: 496874
Ion Ratio Lower Upper
43 100
58 13.5 27.5 41.3#
100 4.0 9.4 14.2#



Instrument :
MSVOA_U
ClientSampled :
X3312

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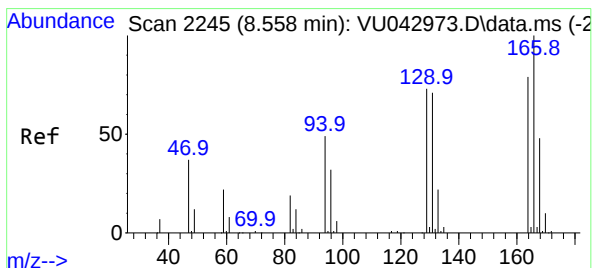
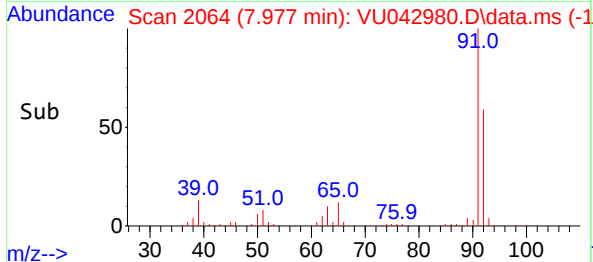
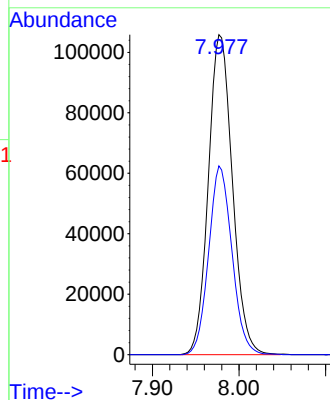
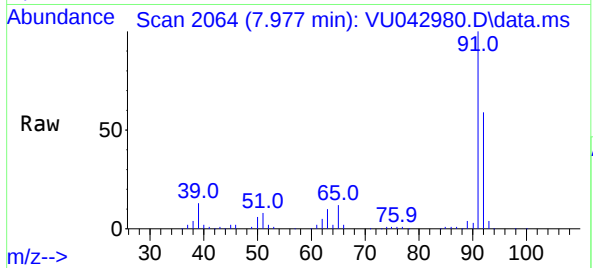
#42
Toluene
Concen: 28.25 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 91 Resp: 204456
Ion Ratio Lower Upper
91 100
92 59.0 39.1 72.7

Instrument :
MSVOA_U
ClientSampled :
X3312

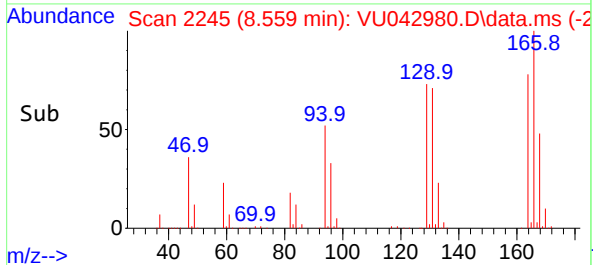
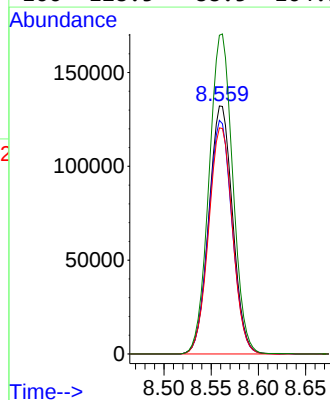
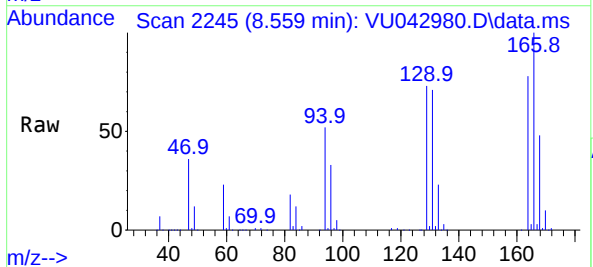
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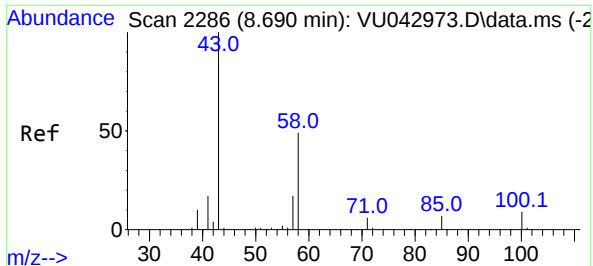
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#46
Tetrachloroethene
Concen: 164.82 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:164 Resp: 231766
Ion Ratio Lower Upper
164 100
129 94.2 64.8 120.4
131 91.1 62.8 116.6
166 128.5 88.5 164.3





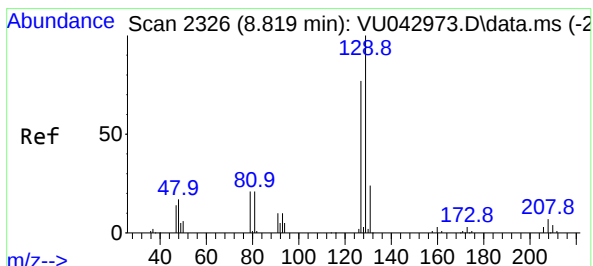
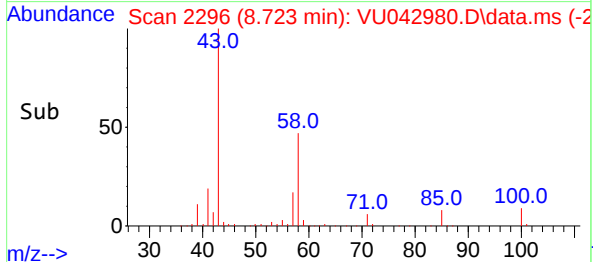
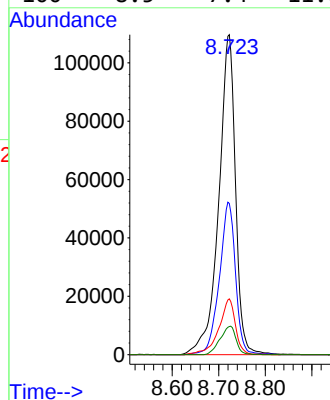
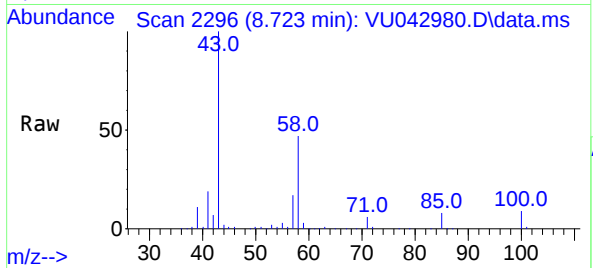
#48
2-Hexanone
Concen: 83.35 ug/L
RT: 8.723 min Scan# 2296
Delta R.T. 0.032 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 43 Resp: 274447
Ion Ratio Lower Upper
43 100
58 45.8 37.5 56.3
57 17.3 13.3 19.9
100 8.5 7.4 11.0

Instrument :
MSVOA_U
ClientSampled :
X3312

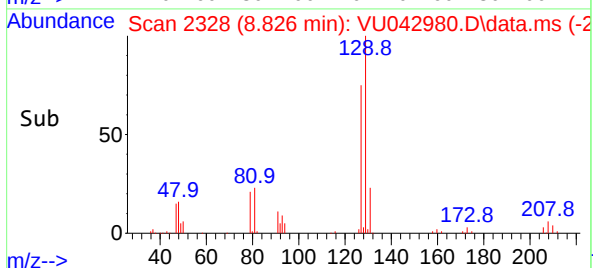
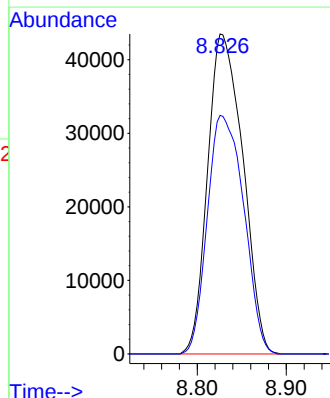
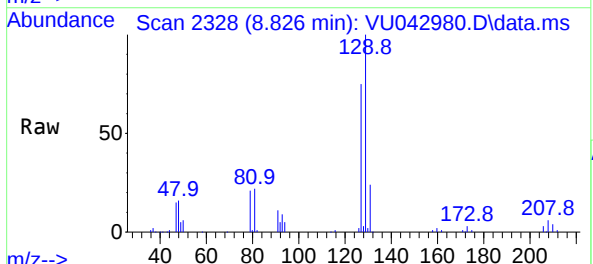
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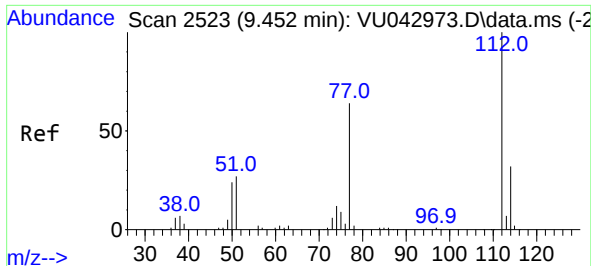
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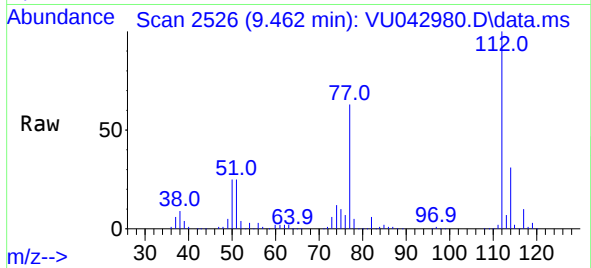
#49
Dibromochloromethane
Concen: 59.52 ug/L
RT: 8.826 min Scan# 2328
Delta R.T. 0.007 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion: 129 Resp: 119495
Ion Ratio Lower Upper
129 100
127 74.5 53.7 99.7

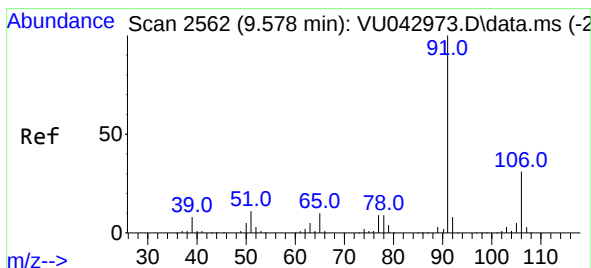
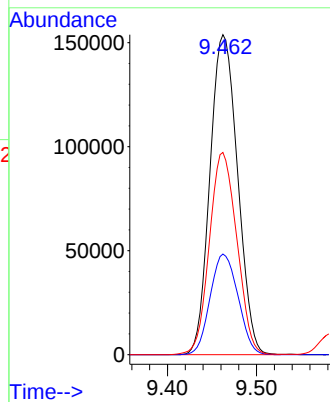
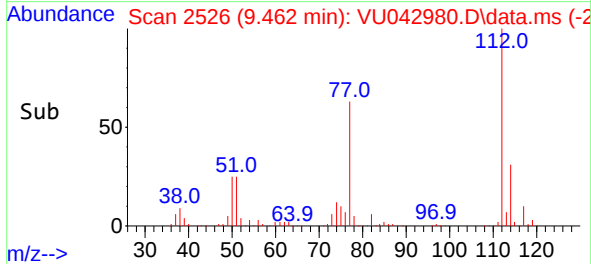




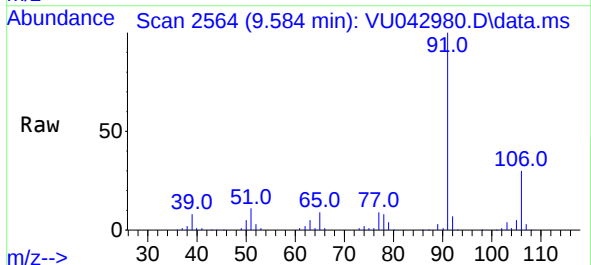
#51
Chlorobenzene
Concen: 72.64 ug/L
RT: 9.462 min Scan# 2526
Delta R.T. 0.010 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



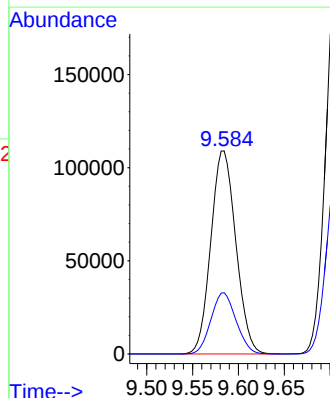
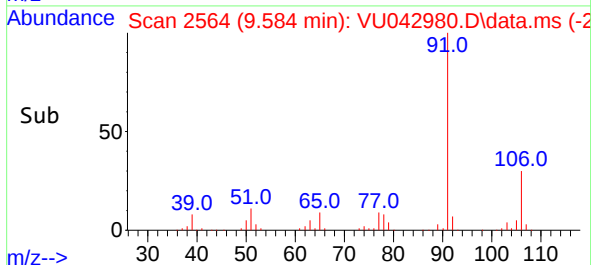
Tgt Ion: 112 Resp: 331347
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.1
77 63.2 51.7 77.5



#52
Ethylbenzene
Concen: 25.43 ug/L
RT: 9.584 min Scan# 2564
Delta R.T. 0.007 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



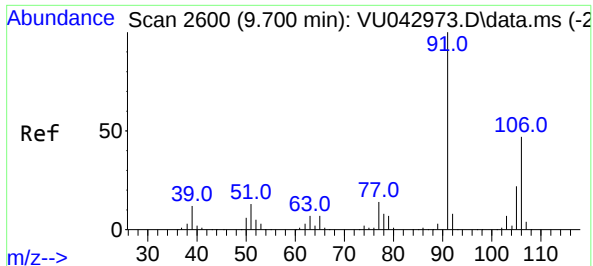
Tgt Ion: 91 Resp: 206668
Ion Ratio Lower Upper
91 100
106 30.2 21.8 40.4



Instrument :
MSVOA_U
ClientSampled :
X3312

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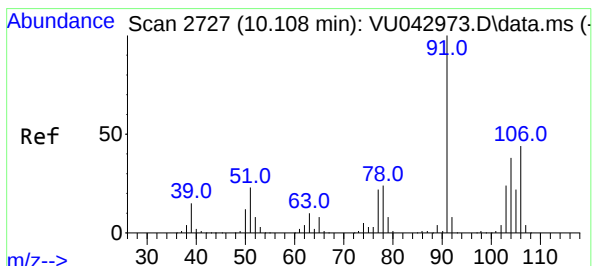
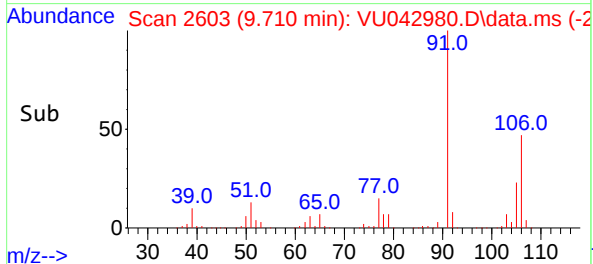
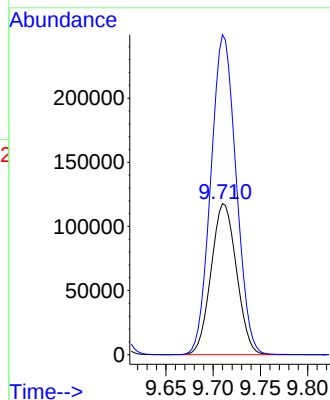
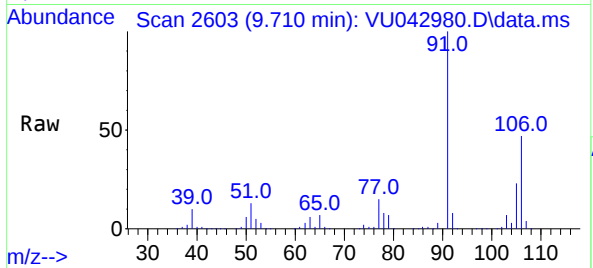
#53
m,p-Xylene
Concen: 73.24 ug/L
RT: 9.710 min Scan# 2603
Delta R.T. 0.010 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:106 Resp: 220198
Ion Ratio Lower Upper
106 100
91 211.8 147.8 274.6

Instrument :
MSVOA_U
ClientSampled :
X3312

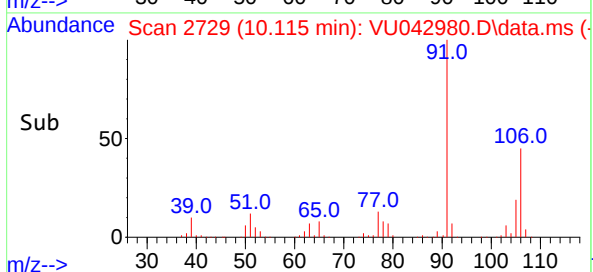
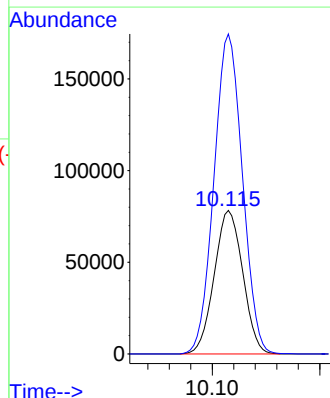
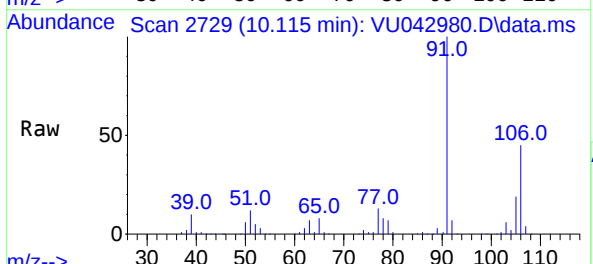
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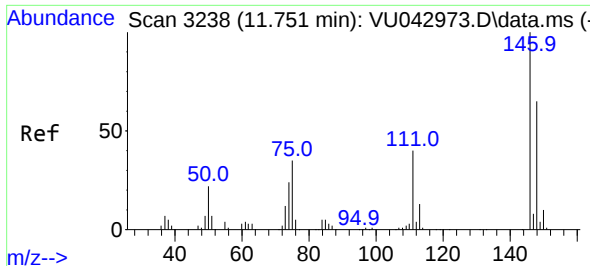
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#54
o-xylene
Concen: 47.87 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.007 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:106 Resp: 144258
Ion Ratio Lower Upper
106 100
91 223.0 160.9 298.7





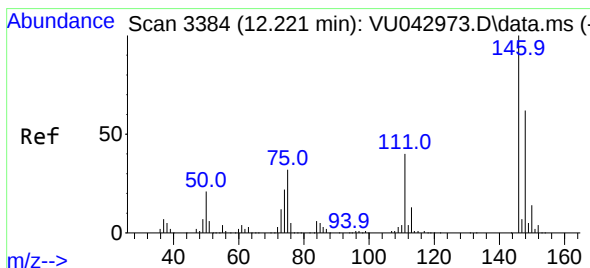
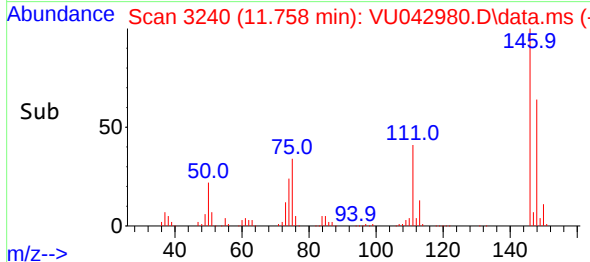
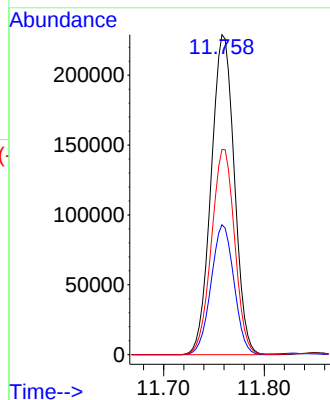
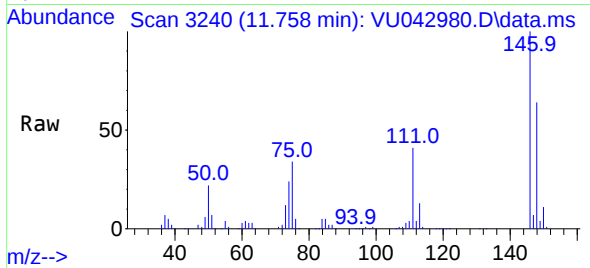
#64
1,3-Dichlorobenzene
Concen: 99.50 ug/L
RT: 11.758 min Scan# 3240
Delta R.T. 0.007 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

Tgt Ion:146 Resp: 366956
Ion Ratio Lower Upper
146 100
111 40.6 27.8 51.6
148 64.1 45.2 84.0

Instrument :
MSVOA_U
ClientSampled :
X3312

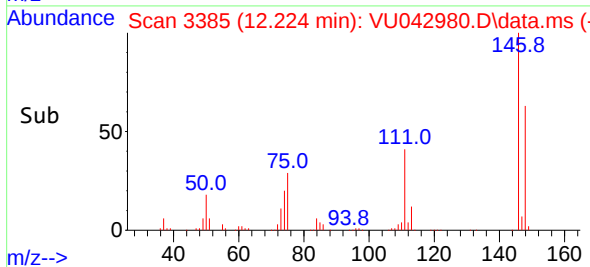
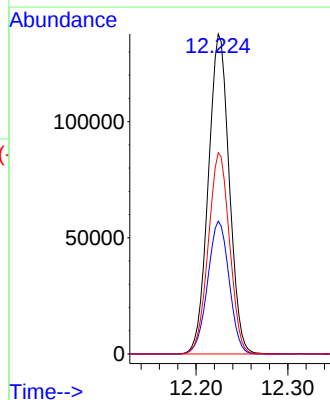
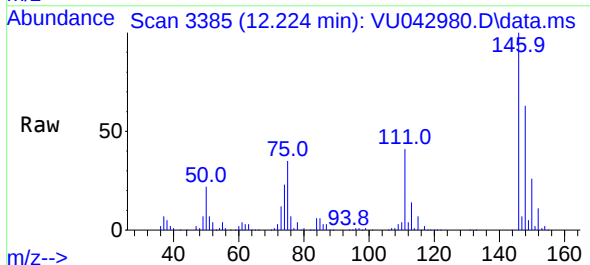
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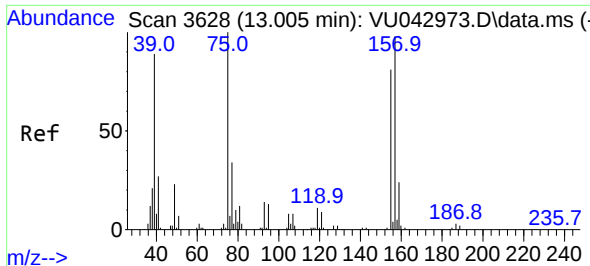
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#67
1,2-Dichlorobenzene
Concen: 58.90 ug/L
RT: 12.224 min Scan# 3385
Delta R.T. 0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

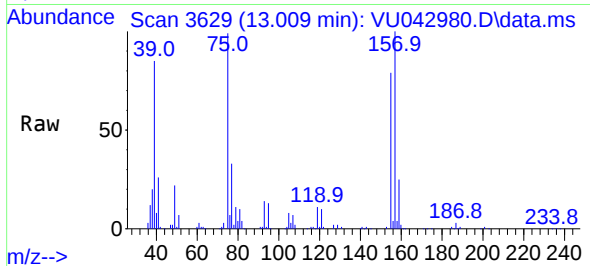
Tgt Ion:146 Resp: 218040
Ion Ratio Lower Upper
146 100
111 41.5 32.5 48.7
148 62.9 49.9 74.9





#68
1,2-Dibromo-3-chloropropane
Concen: 130.50 ug/L
RT: 13.009 min Scan# 3629
Delta R.T. 0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49

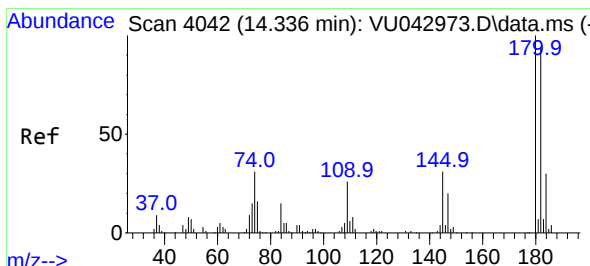
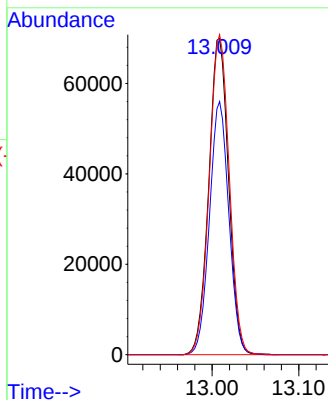
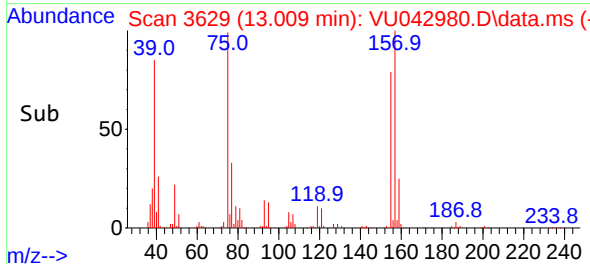
Instrument :
MSVOA_U
ClientSampled :
X3312



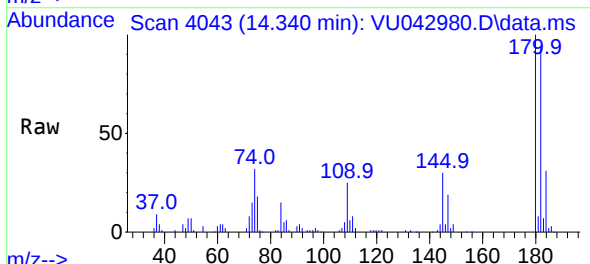
Tgt Ion: 75 Resp: 111621
Ion Ratio Lower Upper
75 100
155 80.0 64.5 96.7
157 101.1 78.5 117.7

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#72
1,2,3-Trichlorobenzene
Concen: 43.72 ug/L
RT: 14.340 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VU042980.D
Acq: 07 Apr 2021 14:49



Tgt Ion:180 Resp: 91953
Ion Ratio Lower Upper
180 100
182 94.2 77.1 115.7
145 30.0 24.0 36.0

