

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U082922\
 Data File : VU050487.D
 Acq On : 29 Aug 2022 16:12
 Operator : SY/MD
 Sample : N4399-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 02:16:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	348070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	341851	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	135158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	152764	37.117	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.240%
7) Chloroethane-d5	1.896	69	89012	29.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	58.460%#
11) 1,1-Dichloroethene-d2	2.559	63	189090	32.510	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.020%
21) 2-Butanone-d5	4.629	46	268331	99.607	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.610%
24) Chloroform-d	5.060	84	292017	44.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.700	65	189217	46.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
32) Benzene-d6	5.726	84	587965	46.549	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
36) 1,2-Dichloropropane-d6	6.690	67	198633	47.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.940%
41) Toluene-d8	7.899	98	512384	46.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.720%
43) trans-1,3-Dichloroprop...	8.179	79	76772	43.983	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.960%
47) 2-Hexanone-d5	8.639	63	148784	95.812	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.810%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	297976	46.168	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.340%
66) 1,2-Dichlorobenzene-d4	12.195	152	159574	49.425	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.840%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	102496	33.102	ug/L	99
6) Bromomethane	1.848	94	4548	3.972	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1512	0.626	ug/L #	21
12) 1,1-Dichloroethene	2.562	96	1318	0.617	ug/L #	1
13) Acetone	2.639	43	6561	3.704	ug/L	55
16) Methylene chloride	3.041	84	96232	32.339	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	114108	50.838	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	88974	22.749	ug/L	98
31) Carbon tetrachloride	5.314	117	11476	3.576	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	56684	14.358	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	177592	44.451	ug/L	99
42) Toluene	7.970	91	267673	25.669	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	48552	13.193	ug/L	99
46) Tetrachloroethene	8.552	164	104641	58.154	ug/L	97
49) Dibromochloromethane	8.809	129	98714	32.213	ug/L	99
51) Chlorobenzene	9.446	112	156575	22.880	ug/L	98
52) Ethylbenzene	9.571	91	317462	30.206	ug/L	99
60) 1,2,3-Trichloropropane	10.906	75	3376	0.969	ug/L #	1
61) Isopropylbenzene	10.906	105	18306	2.190	ug/L #	1

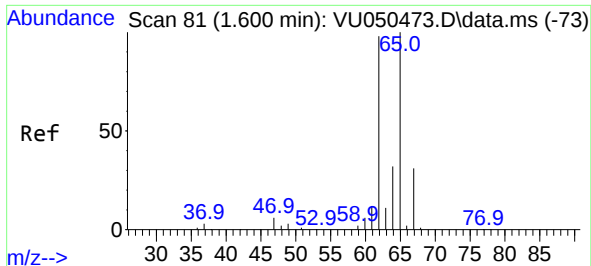
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Data File : VU050487.D
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Quant Title : VOC Analysis
QLast Update : Tue Aug 30 02:11:49 2022
Response via : Initial Calibration

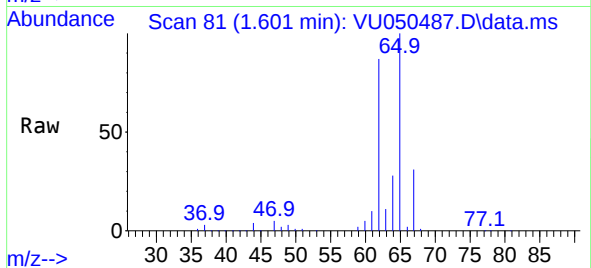
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

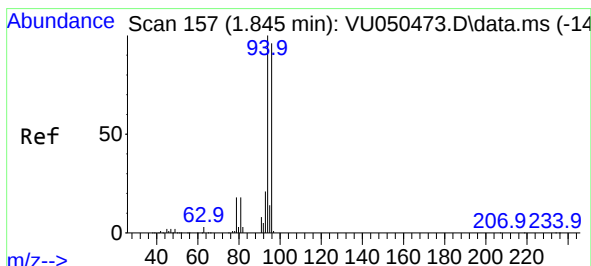
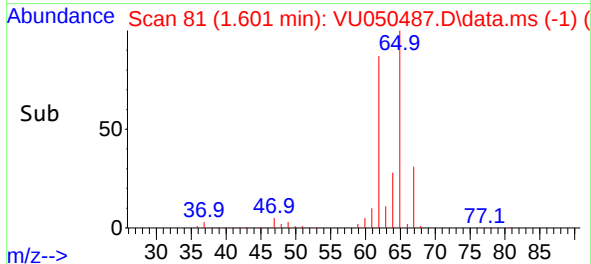
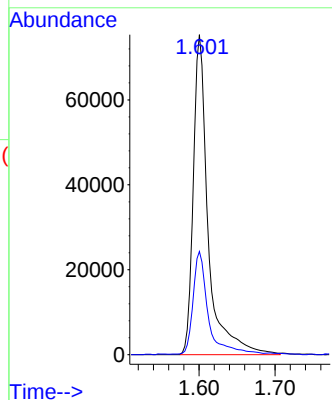


#5
 Vinyl chloride
 Concen: 33.102 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050487.D
 Acq: 29 Aug 2022 16:12

Instrument :
 MSVOA_U
 ClientSampleId :

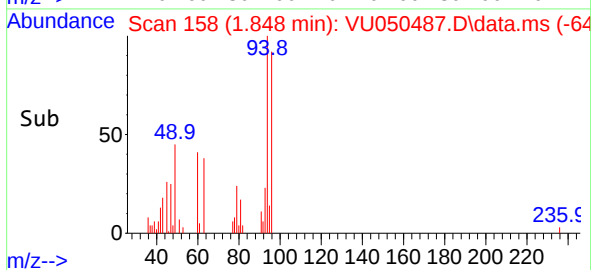
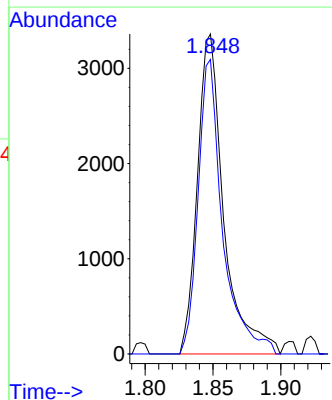
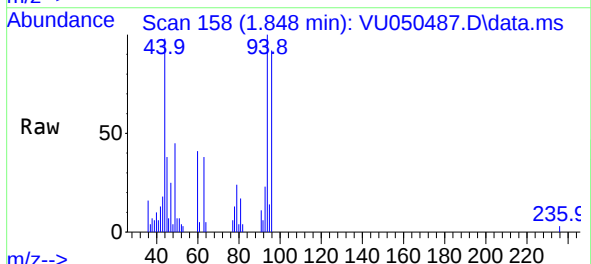


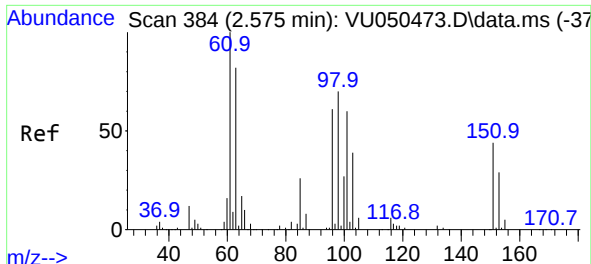
Tgt Ion: 62 Resp: 102496
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#6
 Bromomethane
 Concen: 3.972 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VU050487.D
 Acq: 29 Aug 2022 16:12

Tgt Ion: 94 Resp: 4548
 Ion Ratio Lower Upper
 94 100
 96 92.0 63.3 117.5

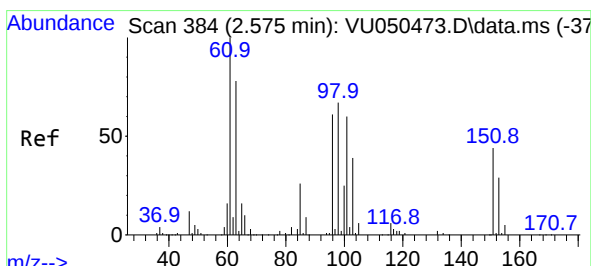
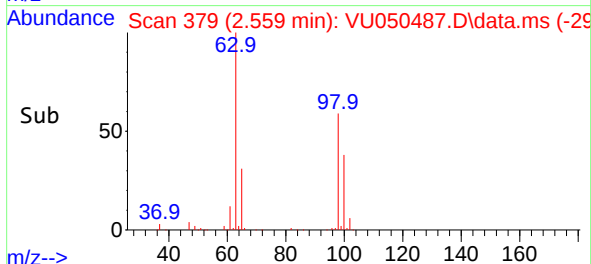
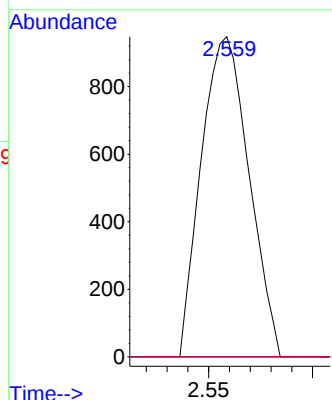
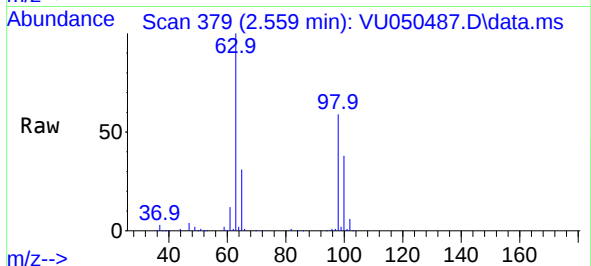




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.626 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

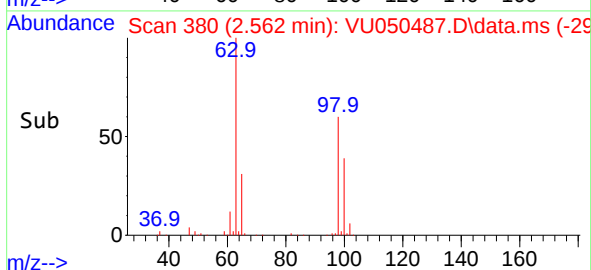
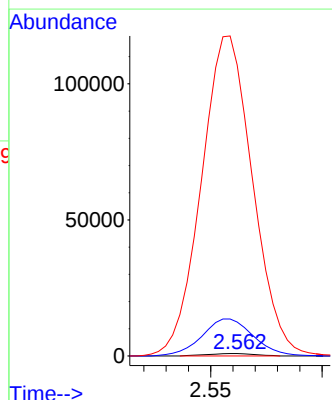
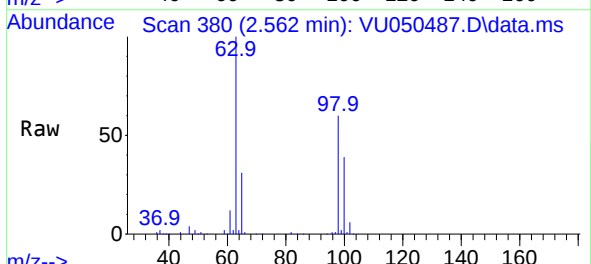
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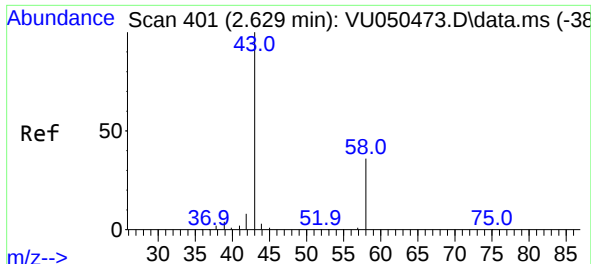
Tgt Ion:101 Resp: 1512
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 57.3 85.9#



#12
1,1-Dichloroethene
Concen: 0.617 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion: 96 Resp: 1318
Ion Ratio Lower Upper
96 100
61 1382.5 116.8 216.8#
63 11848.5 97.4 180.8#

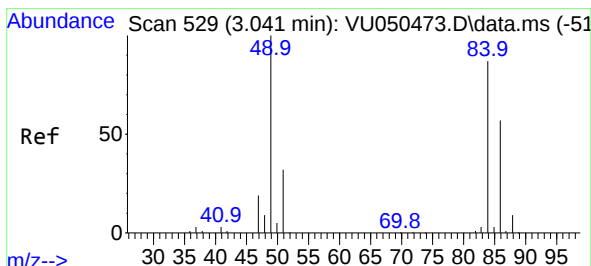
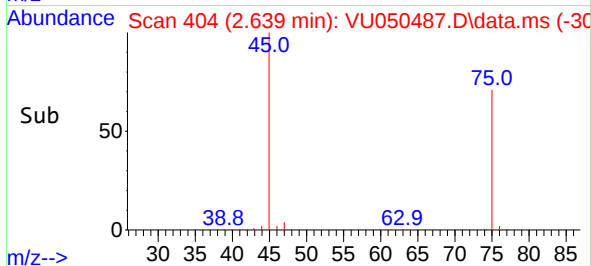
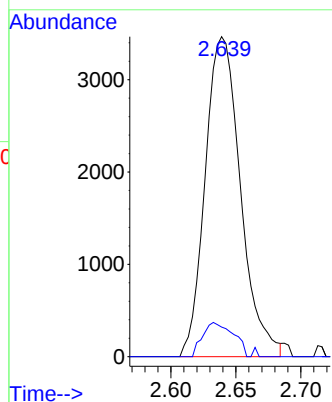
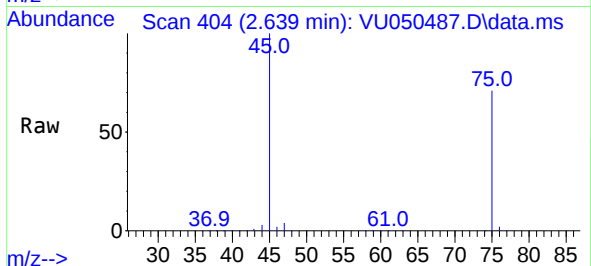




#13
Acetone
Concen: 3.704 ug/L
RT: 2.639 min Scan# 401
Delta R.T. 0.010 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

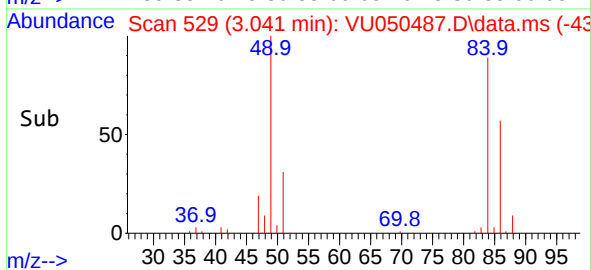
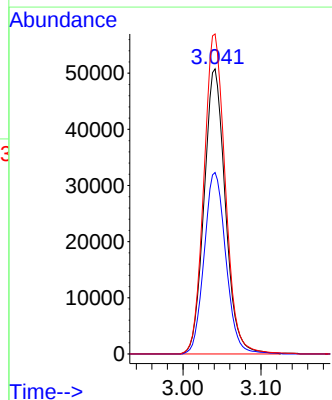
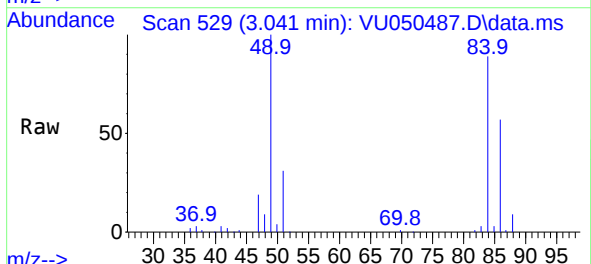
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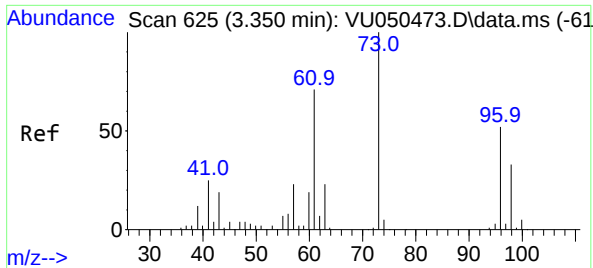
Tgt Ion: 43 Resp: 6561
Ion Ratio Lower Upper
43 100
58 9.3 0.0 72.2



#16
Methylene chloride
Concen: 32.339 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

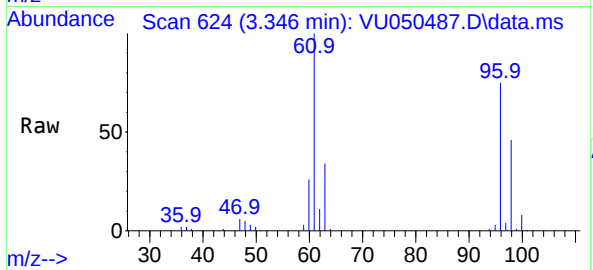
Tgt Ion: 84 Resp: 96232
Ion Ratio Lower Upper
84 100
86 63.6 43.9 81.5
49 112.2 80.4 149.4



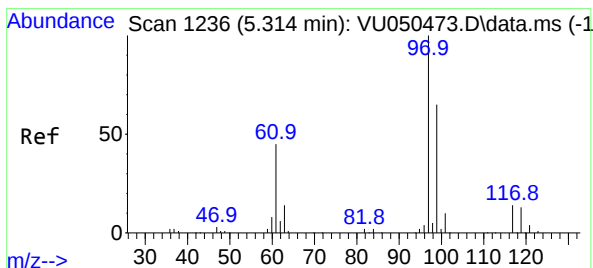
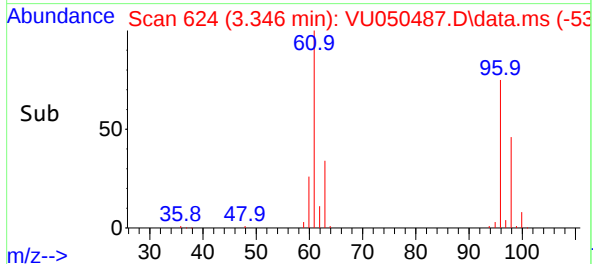
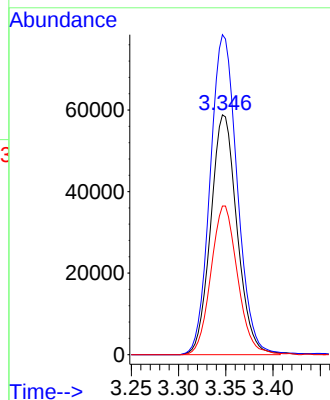


#17
trans-1,2-Dichloroethene
Concen: 50.838 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Instrument :
MSVOA_U
ClientSampleId :

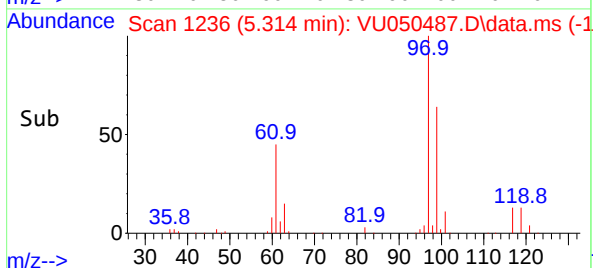
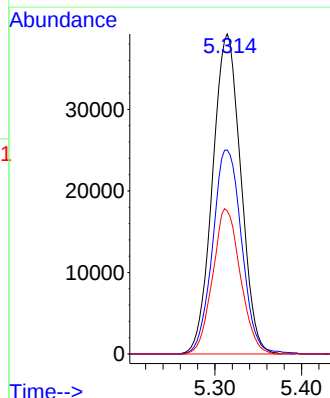
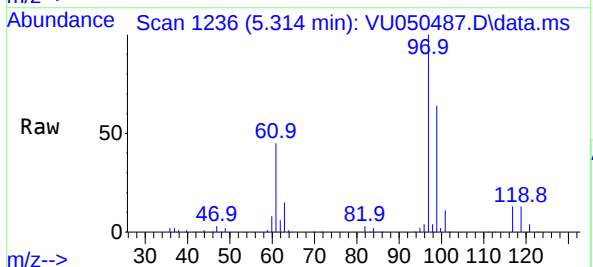


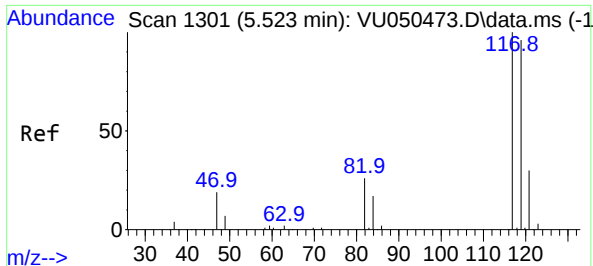
Tgt Ion: 96 Resp: 114108
Ion Ratio Lower Upper
96 100
61 133.4 98.5 182.9
98 62.0 45.7 84.9



#30
1,1,1-Trichloroethane
Concen: 22.749 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion: 97 Resp: 88974
Ion Ratio Lower Upper
97 100
99 65.6 51.2 76.8
61 44.4 36.6 55.0

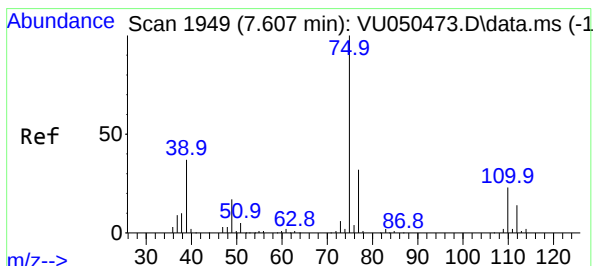
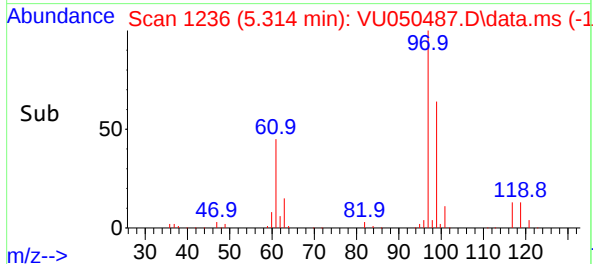
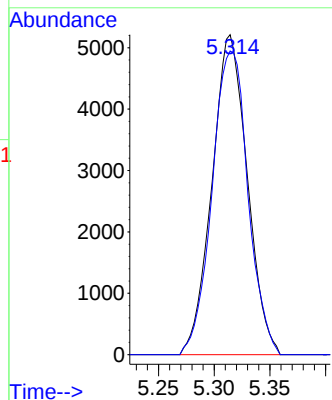
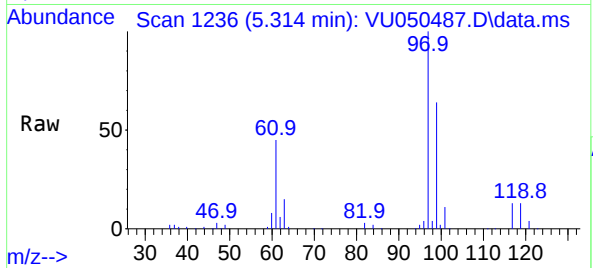




#31
Carbon tetrachloride
Concen: 3.576 ug/L
RT: 5.314 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

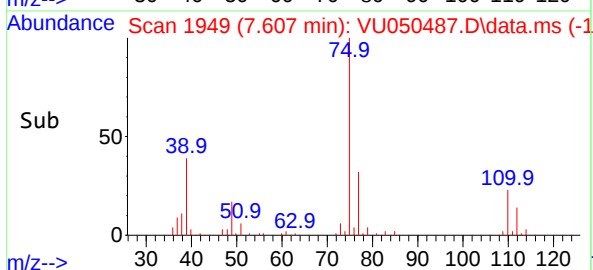
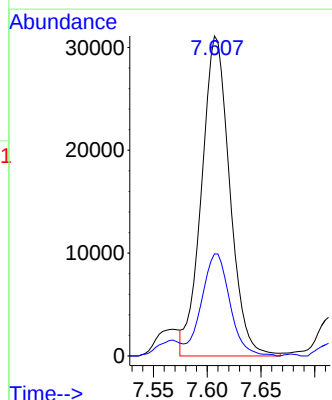
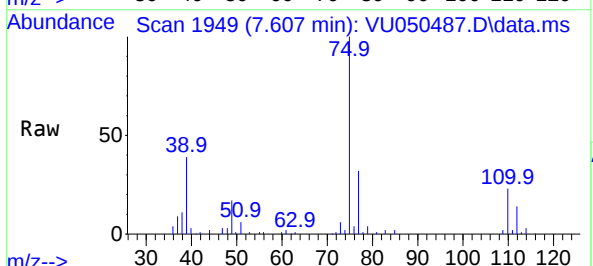
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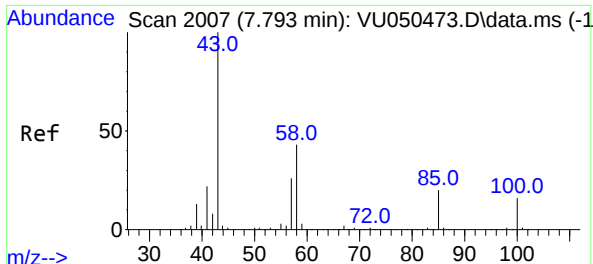
Tgt Ion:117 Resp: 11476
Ion Ratio Lower Upper
117 100
119 96.7 76.9 115.3



#39
cis-1,3-Dichloropropene
Concen: 14.358 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion: 75 Resp: 56684
Ion Ratio Lower Upper
75 100
77 31.9 22.8 42.4

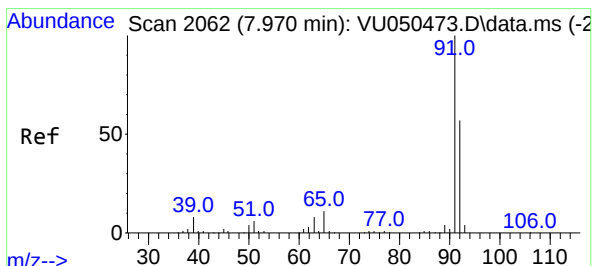
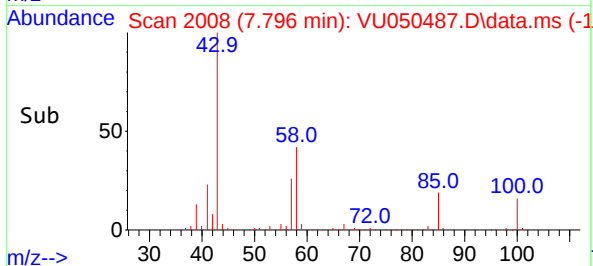
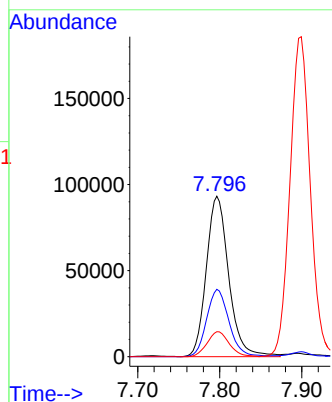
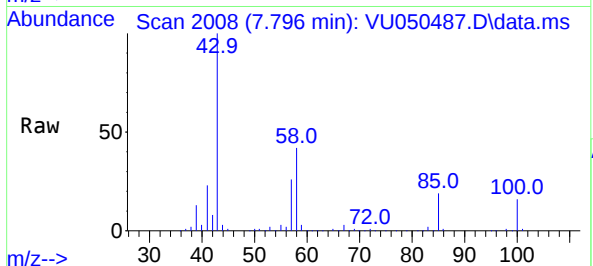




#40
4-Methyl-2-pentanone
Concen: 44.451 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

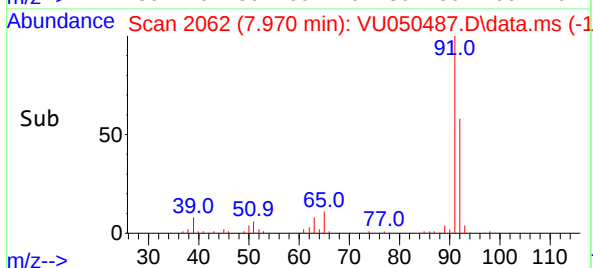
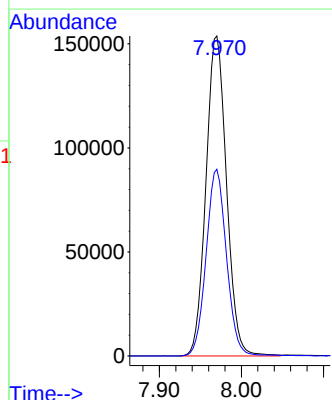
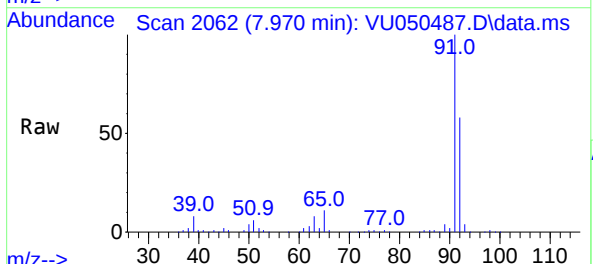
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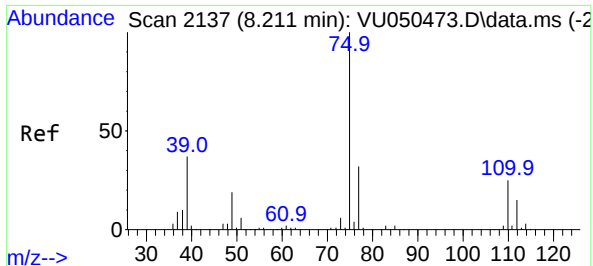
Tgt Ion: 43 Resp: 177592
Ion Ratio Lower Upper
43 100
58 41.9 34.0 51.0
100 15.4 13.0 19.4



#42
Toluene
Concen: 25.669 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion: 91 Resp: 267673
Ion Ratio Lower Upper
91 100
92 58.3 40.3 74.9

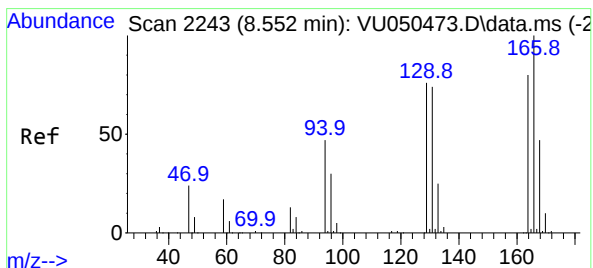
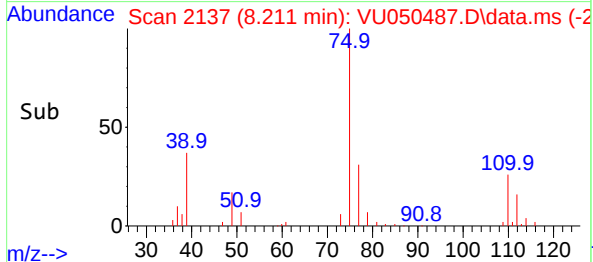
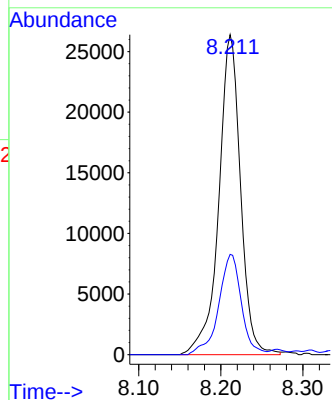
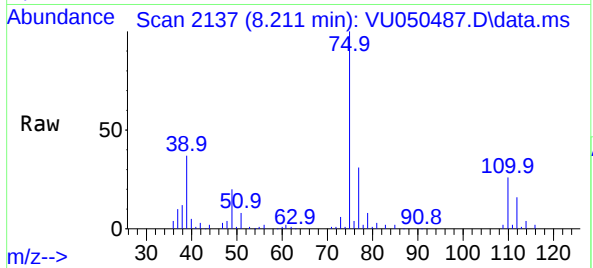




#44
trans-1,3-Dichloropropene
Concen: 13.193 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

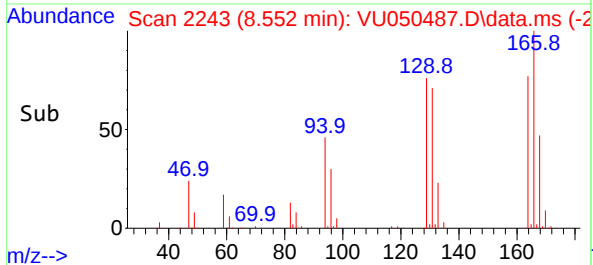
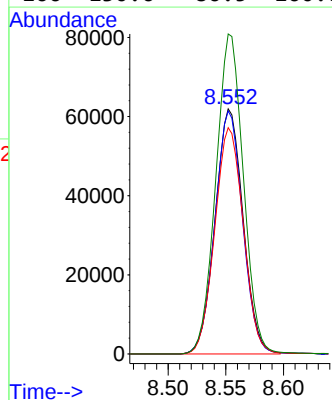
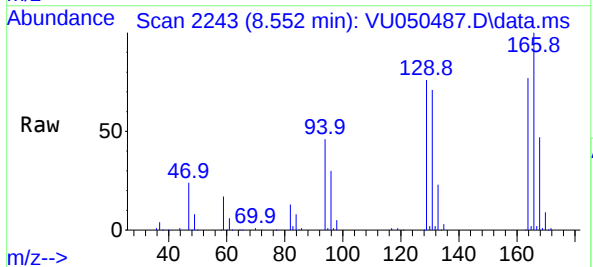
Instrument :
MSVOA_U
ClientSampleId :

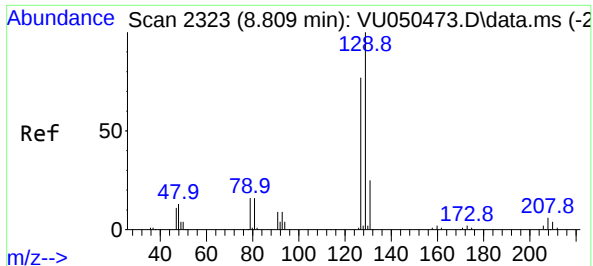
Tgt Ion: 75 Resp: 48552
Ion Ratio Lower Upper
75 100
77 31.4 22.5 41.7



#46
Tetrachloroethene
Concen: 58.154 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion:164 Resp: 104641
Ion Ratio Lower Upper
164 100
129 99.1 68.0 126.4
131 92.3 65.4 121.4
166 130.6 86.5 160.7

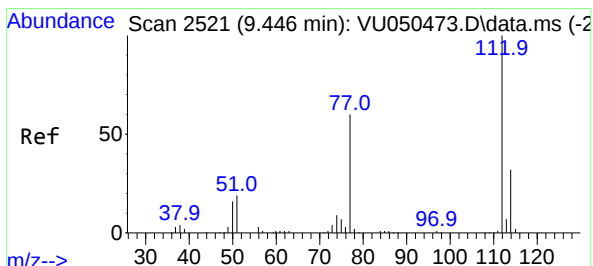
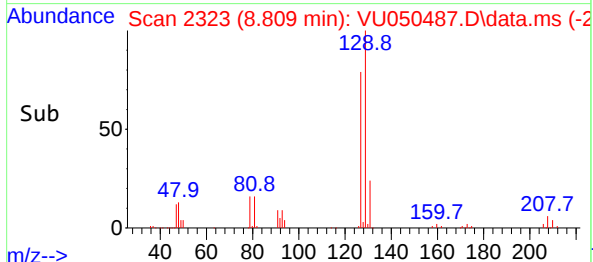
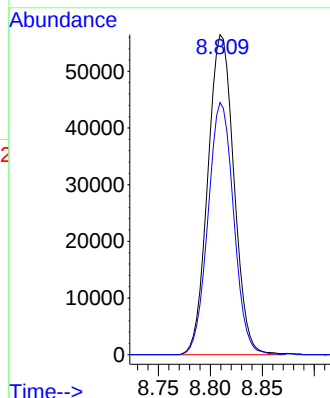
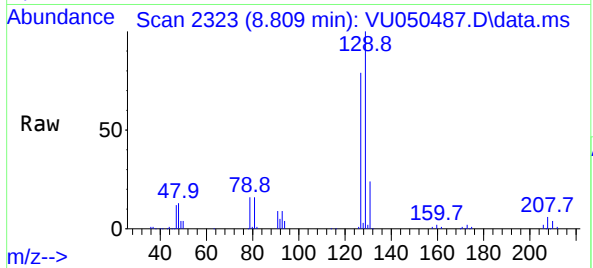




#49
Dibromochloromethane
Concen: 32.213 ug/L
RT: 8.809 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

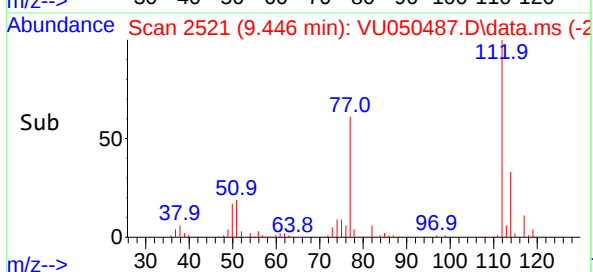
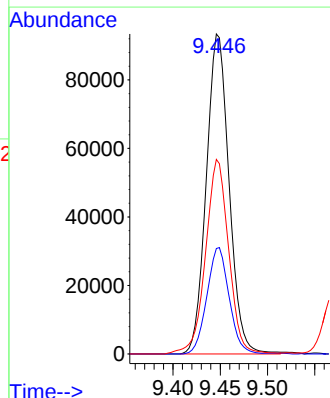
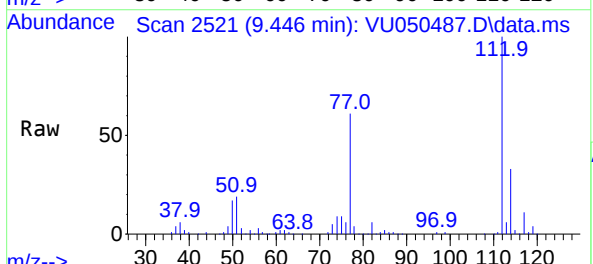
Instrument :
MSVOA_U
ClientSampleId :

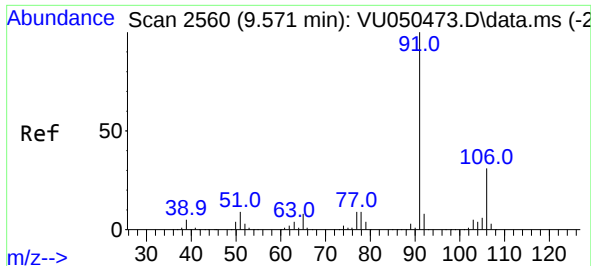
Tgt Ion:129 Resp: 98714
Ion Ratio Lower Upper
129 100
127 78.8 55.9 103.7



#51
Chlorobenzene
Concen: 22.880 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Tgt Ion:112 Resp: 156575
Ion Ratio Lower Upper
112 100
114 33.0 21.8 40.6
77 60.8 47.6 71.4

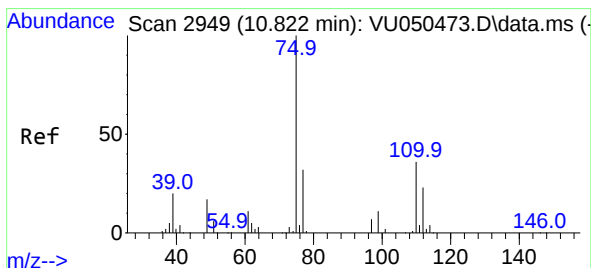
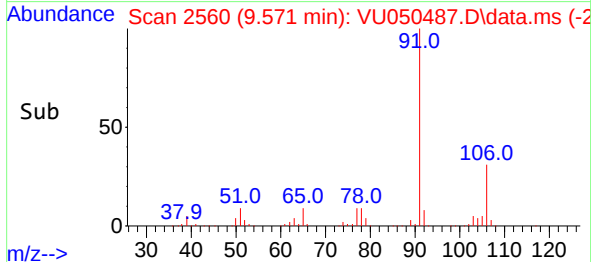
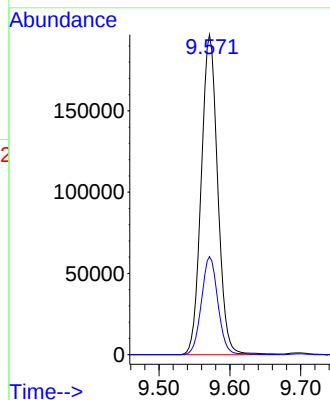
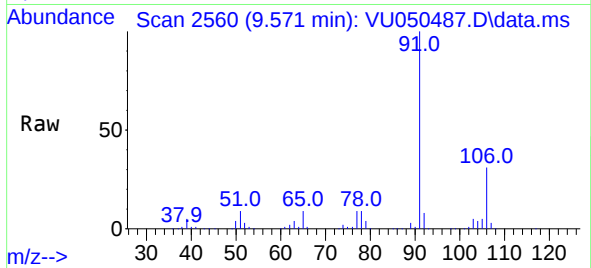




#52
Ethylbenzene
Concen: 30.206 ug/L
RT: 9.571 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

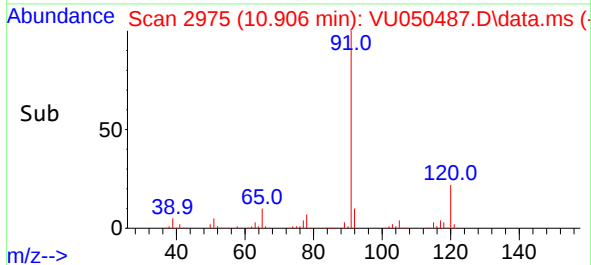
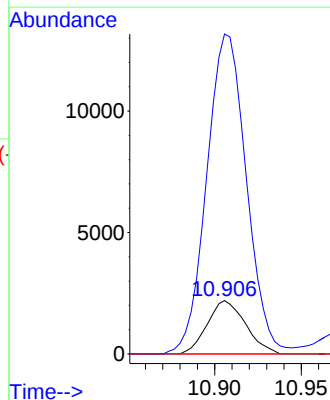
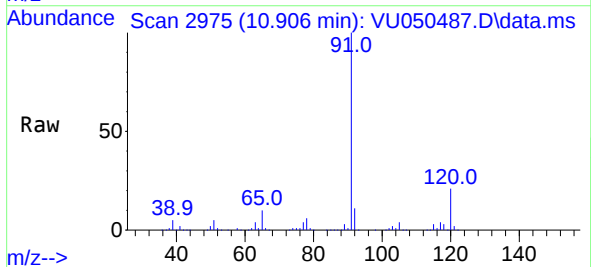
Instrument :
MSVOA_U
ClientSampleId :

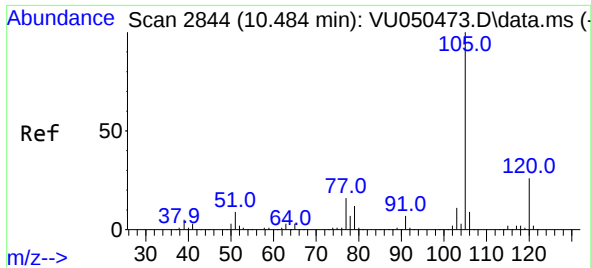
Tgt Ion: 91 Resp: 317462
Ion Ratio Lower Upper
91 100
106 30.6 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 0.969 ug/L
RT: 10.906 min Scan# 2975
Delta R.T. 0.084 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

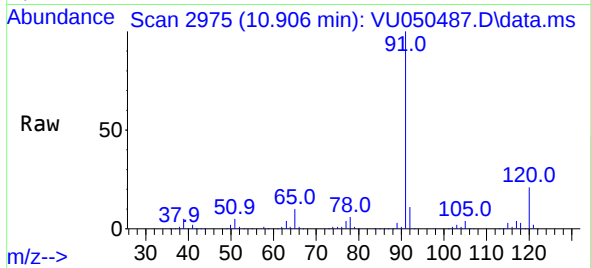
Tgt Ion: 75 Resp: 3376
Ion Ratio Lower Upper
75 100
77 621.8 25.7 38.5#
110 0.0 29.0 43.4#





#61
Isopropylbenzene
Concen: 2.190 ug/L
RT: 10.906 min Scan# 2975
Delta R.T. 0.421 min
Lab File: VU050487.D
Acq: 29 Aug 2022 16:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:105 Resp: 18306
Ion Ratio Lower Upper
105 100
120 602.1 20.7 31.1#
77 114.7 12.5 18.7#

