

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101921\
 Data File : VU045335.D
 Acq On : 19 Oct 2021 17:31
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
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MMDadoda
 10/20/2021 3:48:50 PM

Quant Time: Oct 20 03:09:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	294251	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	299616	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	136348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55631	43.400	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.800%
7) Chloroethane-d5	1.874	69	22300	18.205	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	36.420%#
11) 1,1-Dichloroethene-d2	2.552	63	69413	27.196	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.400%#
21) 2-Butanone-d5	4.629	46	200473	104.776	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.780%
24) Chloroform-d	5.066	84	153477	45.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
26) 1,2-Dichloroethane-d4	5.703	65	111066	47.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
32) Benzene-d6	5.729	84	262113	46.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.020%
36) 1,2-Dichloropropane-d6	6.693	67	104843	47.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.720%
41) Toluene-d8	7.899	98	214714	44.670	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.340%
43) trans-1,3-Dichloroprop...	8.182	79	52536	47.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.500%
47) 2-Hexanone-d5	8.639	63	164827	119.919	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.920%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	236008	56.989	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.980%
66) 1,2-Dichlorobenzene-d4	12.198	152	124814	52.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	3575	1.667	ug/L	98
3) Chloromethane	1.520	50	5325	2.194	ug/L	99
5) Vinyl chloride	1.604	62	4643	1.729	ug/L #	11
6) Bromomethane	1.825	94	1677	1.180	ug/L	92
8) Chloroethane	1.896	64	4033	2.391	ug/L	83
9) Trichlorofluoromethane	2.112	101	5233	1.602	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	4130	1.990	ug/L	86
12) 1,1-Dichloroethene	2.565	96	3638	1.901	ug/L #	1
13) Acetone	2.639	43	6870	3.084	ug/L	95
14) Carbon disulfide	2.780	76	8889	1.690	ug/L	99
15) Methyl Acetate	2.954	43	7562	2.738	ug/L	94
16) Methylene chloride	3.044	84	5513	2.237	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	3565	1.737	ug/L	90
18) Methyl tert-butyl Ether	3.372	73	12820	1.791	ug/L	99
19) 1,1-Dichloroethane	3.874	63	7305m	1.739	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	4235	1.801	ug/L	90
22) 2-Butanone	4.719	43	7696	3.133	ug/L	93
23) Bromochloromethane	4.973	128	1937	1.673	ug/L	88
25) Chloroform	5.092	83	9991	2.337	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	6342	1.857	ug/L #	94
29) Cyclohexane	5.388	56	5667	1.593	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	5751	1.627	ug/L	97
31) Carbon tetrachloride	5.526	117	4082	1.495	ug/L	98
33) Benzene	5.777	78	16283	1.746	ug/L	100
34) Trichloroethene	6.546	95	3826	1.663	ug/L	97
35) Methylcyclohexane	6.761	83	5727	1.585	ug/L	98
37) 1,2-Dichloropropane	6.790	63	4630	1.825	ug/L #	95
38) Bromodichloromethane	7.111	83	5329	1.624	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	6214	1.636	ug/L	95
40) 4-Methyl-2-pentanone	7.800	43	15091	3.900	ug/L	99
42) Toluene	7.970	91	19574	2.012	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	6554m	1.805	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	4604	1.894	ug/L	93
46) Tetrachloroethene	8.555	164	2599	1.631	ug/L	88
48) 2-Hexanone	8.690	43	16784	5.139	ug/L	95
49) Dibromochloromethane	8.816	129	4097	1.730	ug/L	100
50) 1,2-Dibromoethane	8.925	107	4423	1.767	ug/L #	98
51) Chlorobenzene	9.452	112	11313	1.836	ug/L	98
52) Ethylbenzene	9.574	91	16676	1.579	ug/L	99
53) m,p-Xylene	9.697	106	6770	1.688	ug/L	88
54) o-xylene	10.105	106	6807	1.691	ug/L	94
55) Styrene	10.118	104	10629	1.560	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.787	83	9690	2.256	ug/L #	99
59) Bromoform	10.298	173	3094	2.070	ug/L #	95
60) 1,2,3-Trichloropropane	10.828	75	7688	2.456	ug/L	100
61) Isopropylbenzene	10.488	105	16283	1.749	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	13157	1.708	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	13311	1.707	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	7797	1.849	ug/L	94
65) 1,4-Dichlorobenzene	11.838	146	8072	1.888	ug/L	97
67) 1,2-Dichlorobenzene	12.217	146	8649	2.029	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.999	75	1437	1.648	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	4936	1.701	ug/L	95
70) 1,2,4-trichlorobenzene	13.844	180	3796	1.561	ug/L	97
71) Naphthalene	14.092	128	12436	1.530	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	3640	1.498	ug/L	97

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

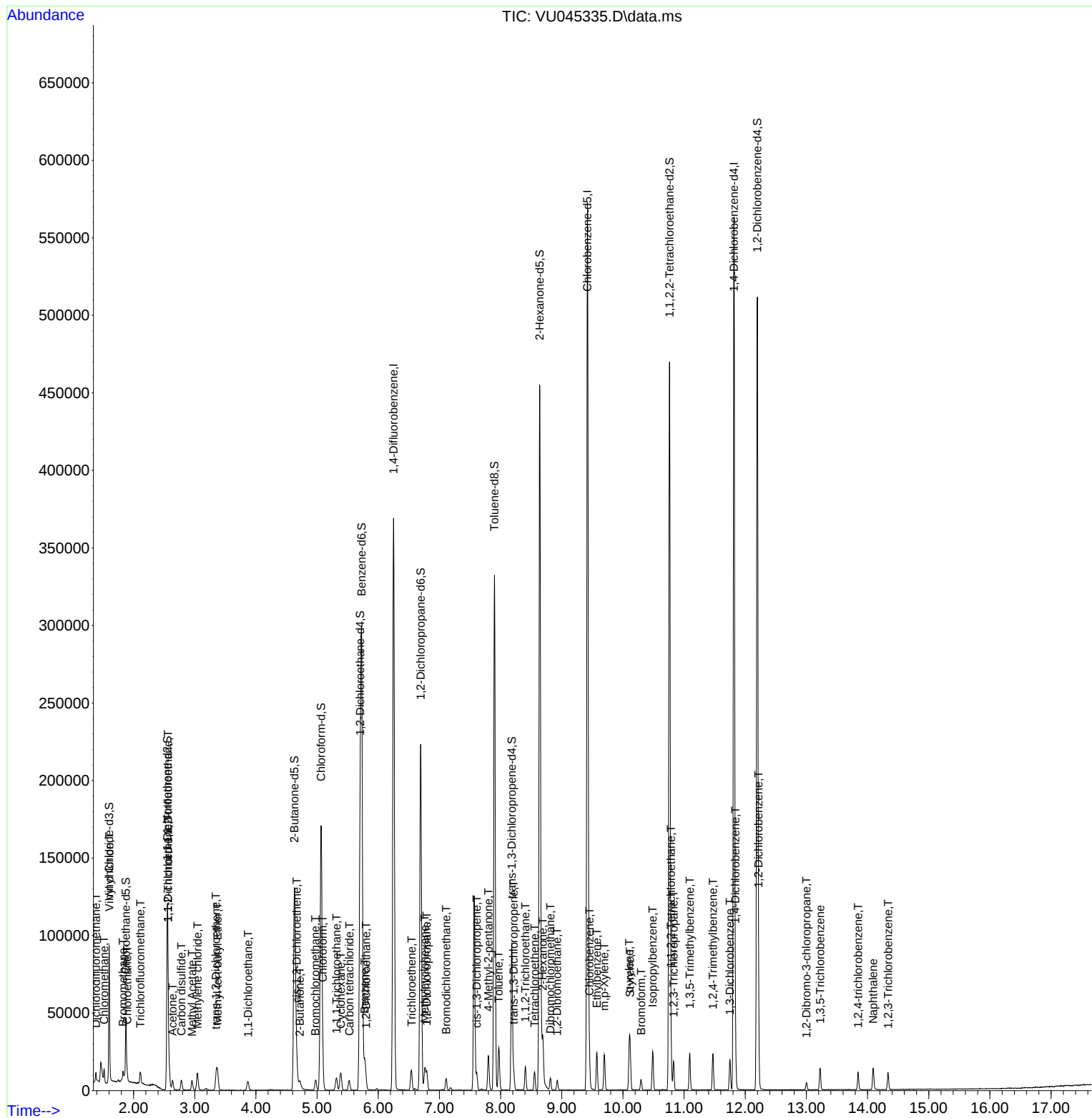
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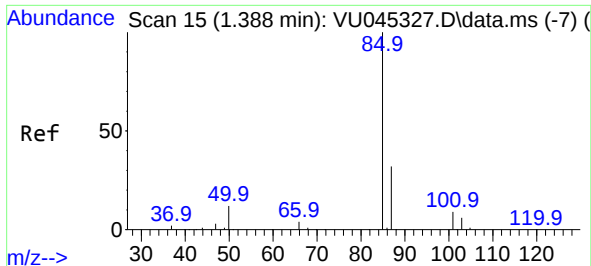
Instrument :
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ClientSampleId :
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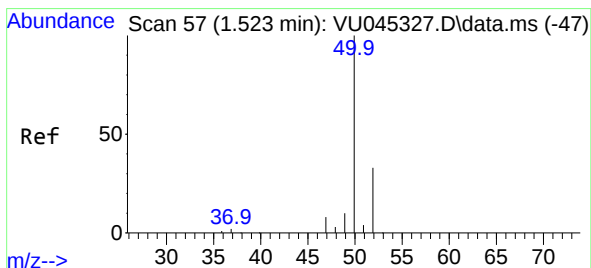
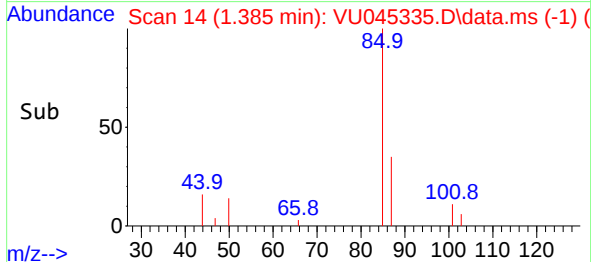
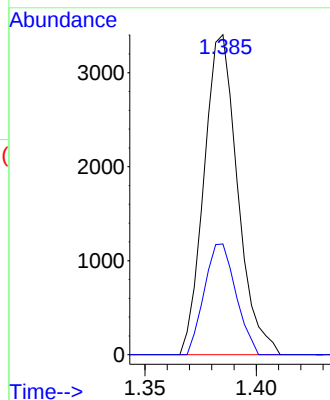
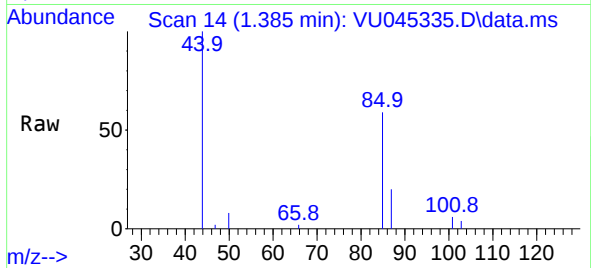
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Dichlorodifluoromethane
Concen: 1.667 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 85 Resp: 3575
Ion Ratio Lower Upper
85 100
87 32.4 25.3 37.9

Instrument :
MSVOA_U
ClientSampled :
MDL01

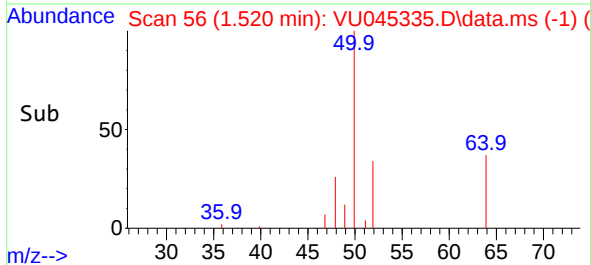
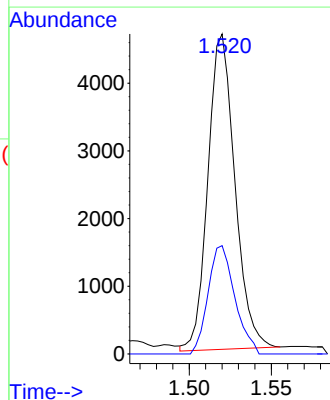
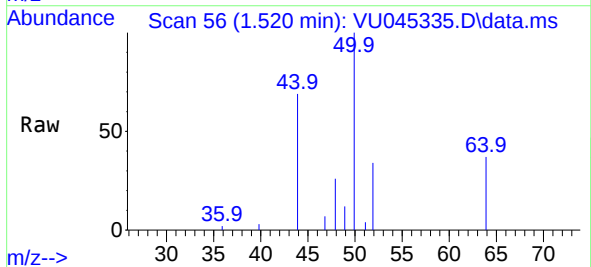
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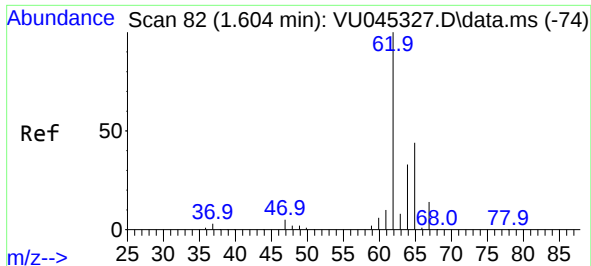
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#3
Chloromethane
Concen: 2.194 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

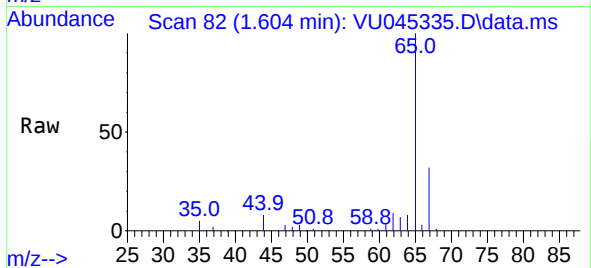
Tgt Ion: 50 Resp: 5325
Ion Ratio Lower Upper
50 100
52 33.8 23.2 43.0





#5
 Vinyl chloride
 Concen: 1.729 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU045335.D
 Acq: 19 Oct 2021 17:31

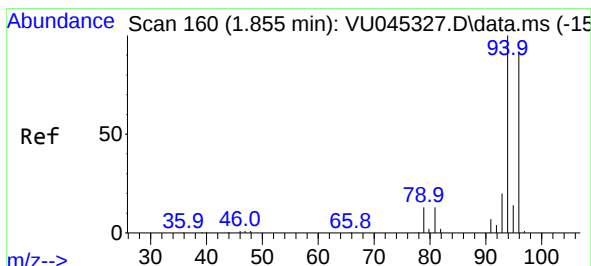
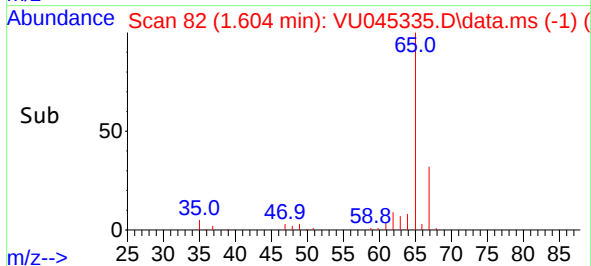
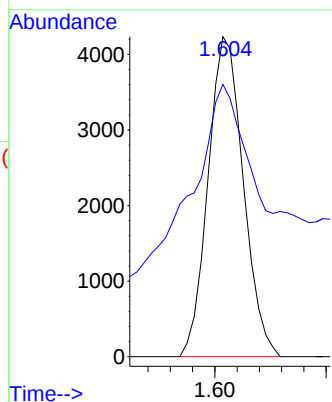
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01



Tgt Ion: 62 Resp: 4643
 Ion Ratio Lower Upper
 62 100
 64 85.1 23.9 44.3#

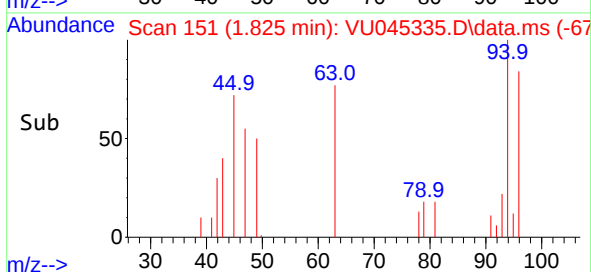
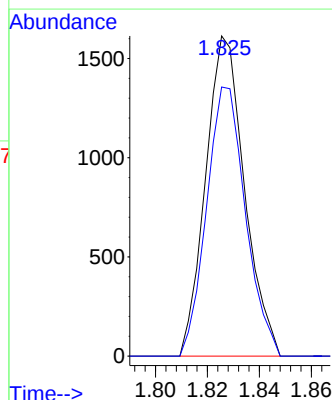
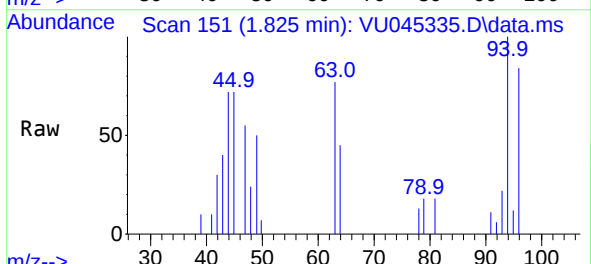
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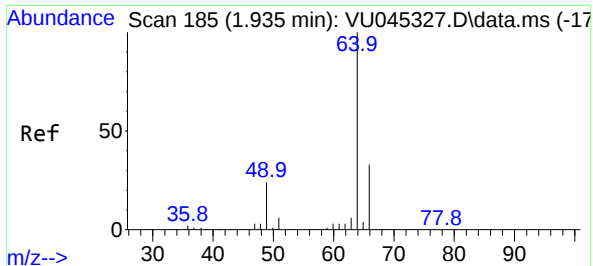
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#6
 Bromomethane
 Concen: 1.180 ug/L
 RT: 1.825 min Scan# 151
 Delta R.T. -0.029 min
 Lab File: VU045335.D
 Acq: 19 Oct 2021 17:31

Tgt Ion: 94 Resp: 1677
 Ion Ratio Lower Upper
 94 100
 96 84.1 64.1 119.1





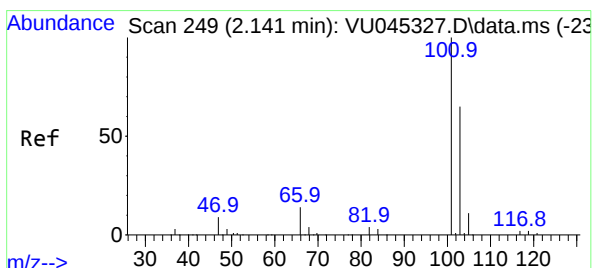
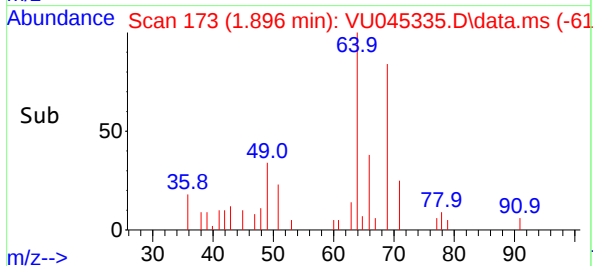
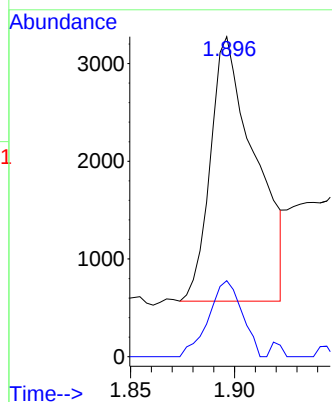
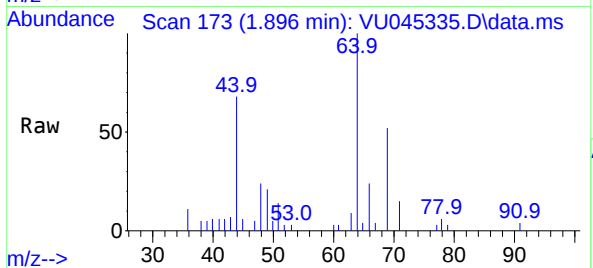
#8
Chloroethane
Concen: 2.391 ug/L
RT: 1.896 min Scan# 173
Delta R.T. -0.039 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 64 Resp: 4033
Ion Ratio Lower Upper
64 100
66 22.8 22.5 41.9

Instrument :
MSVOA_U
ClientSampled :
MDL01

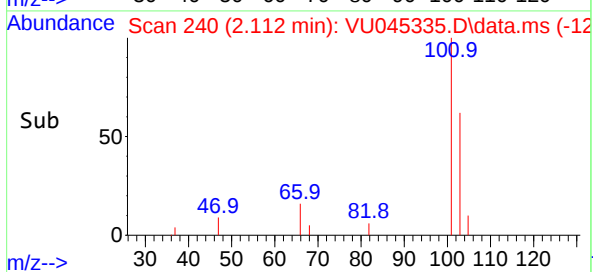
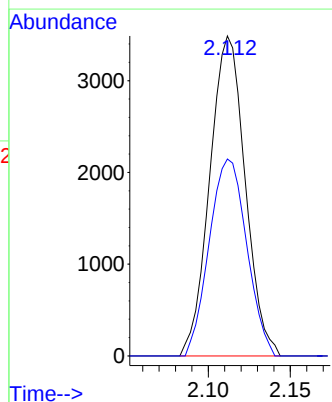
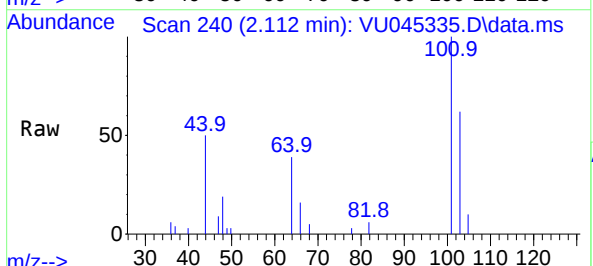
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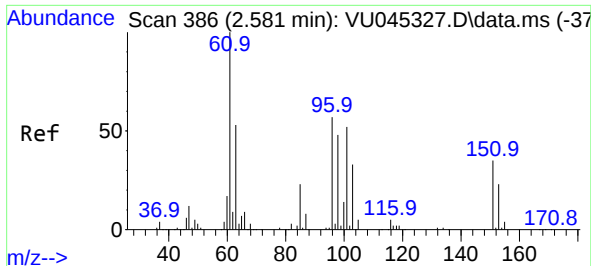
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#9
Trichlorofluoromethane
Concen: 1.602 ug/L
RT: 2.112 min Scan# 240
Delta R.T. -0.029 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 101 Resp: 5233
Ion Ratio Lower Upper
101 100
103 65.0 50.8 76.2





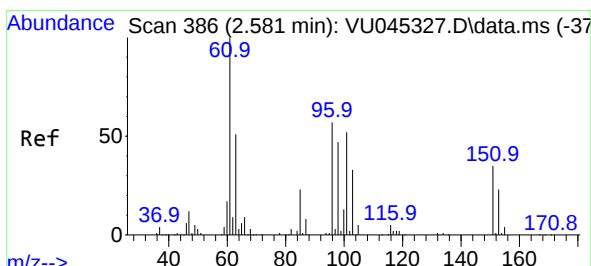
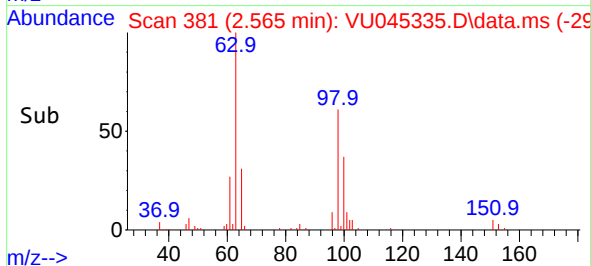
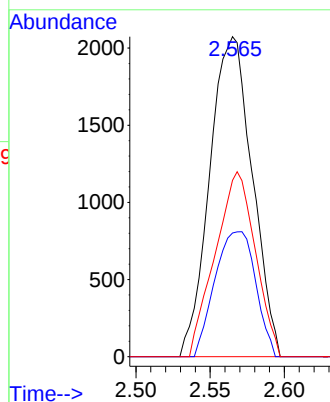
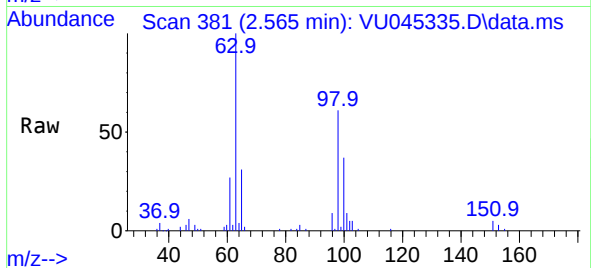
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.990 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion:101 Resp: 4130
Ion Ratio Lower Upper
101 100
85 37.4 35.2 52.8
151 54.5 53.9 80.9

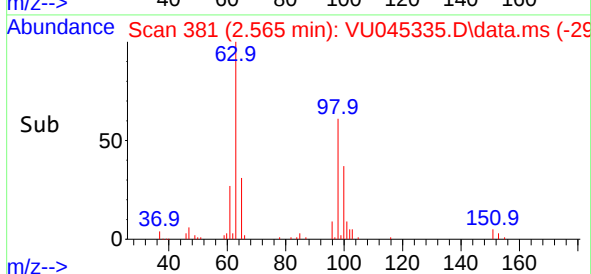
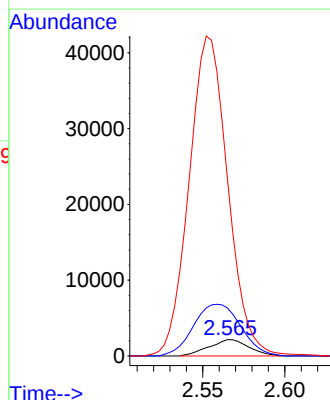
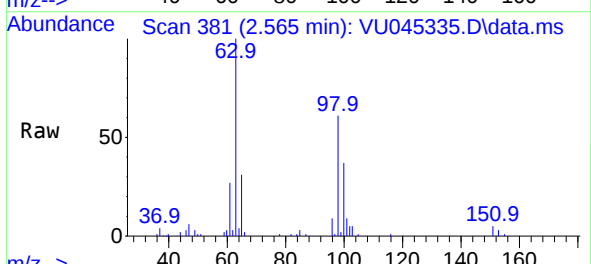
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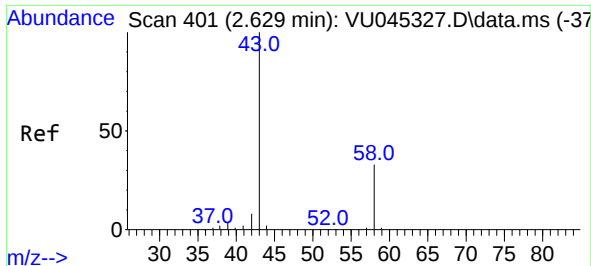
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#12
1,1-Dichloroethene
Concen: 1.901 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

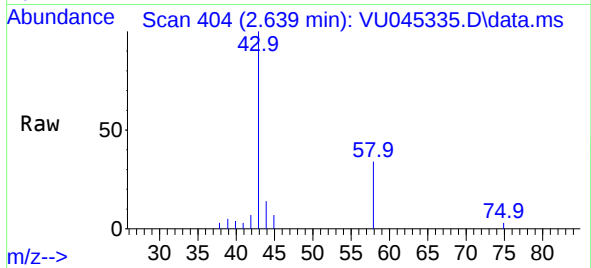
Tgt Ion: 96 Resp: 3638
Ion Ratio Lower Upper
96 100
61 295.3 122.9 228.3#
63 1090.1 65.3 121.3#





#13
Acetone
Concen: 3.084 ug/L
RT: 2.639 min Scan# 404
Delta R.T. 0.009 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

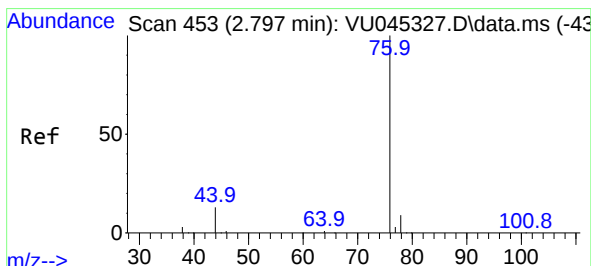
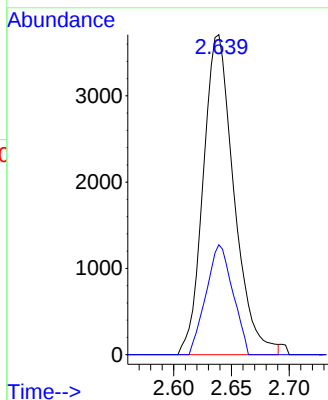
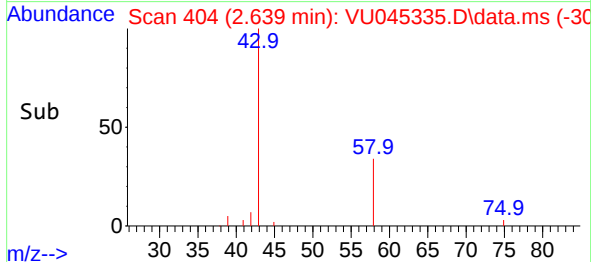
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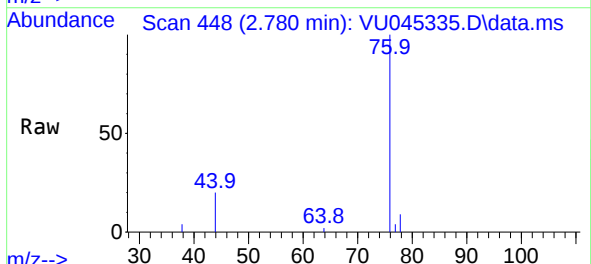
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Ion Ratio Lower Upper
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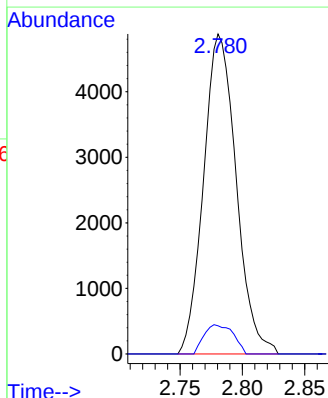
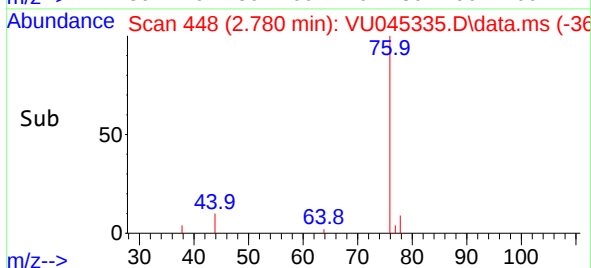
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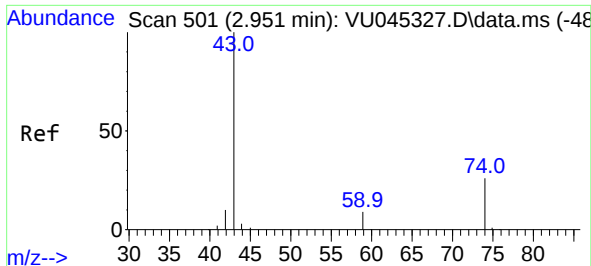


#14
Carbon disulfide
Concen: 1.690 ug/L
RT: 2.780 min Scan# 448
Delta R.T. -0.016 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



Tgt Ion: 76 Resp: 8889
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0





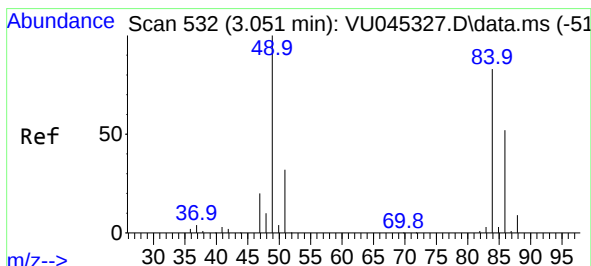
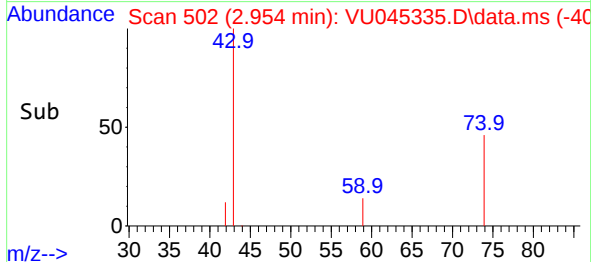
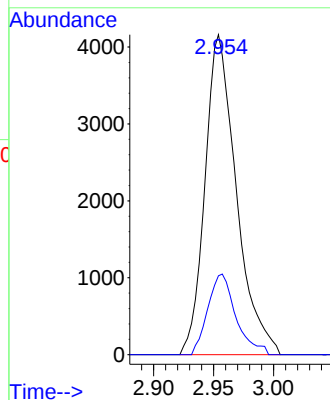
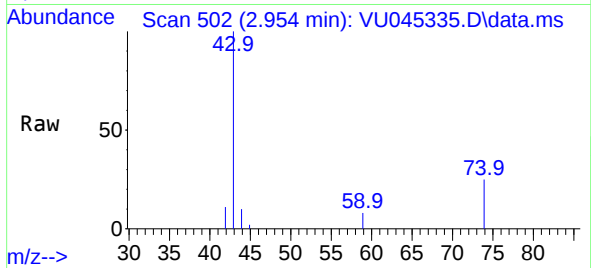
#15
Methyl Acetate
Concen: 2.738 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
74 22.3 20.5 30.7

Instrument :
MSVOA_U
ClientSampled :
MDL01

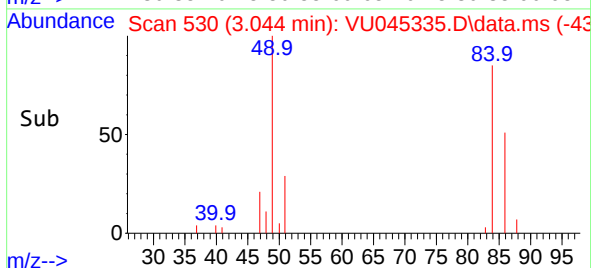
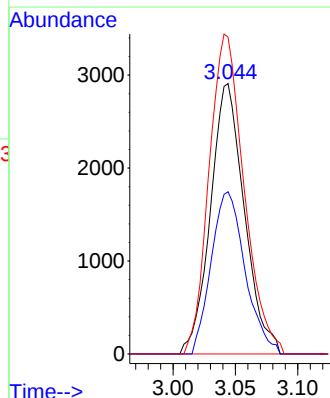
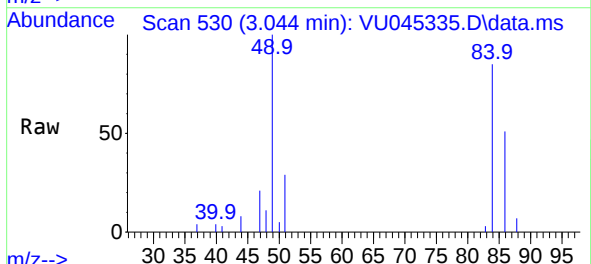
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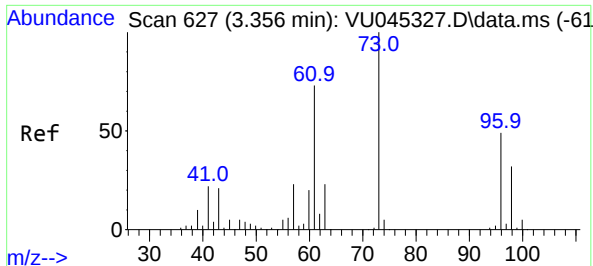
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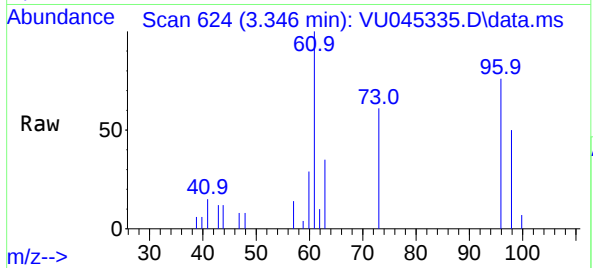
#16
Methylene chloride
Concen: 2.237 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.007 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 84 Resp: 5513
Ion Ratio Lower Upper
84 100
86 60.0 44.1 81.9
49 117.1 84.2 156.4

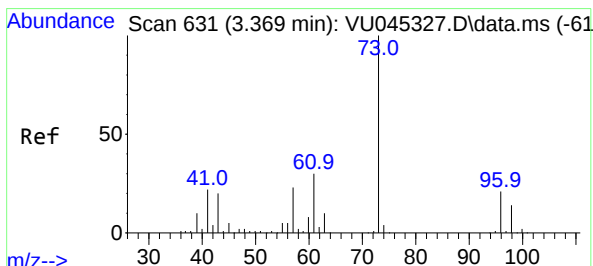
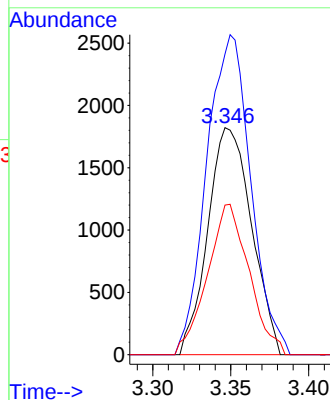
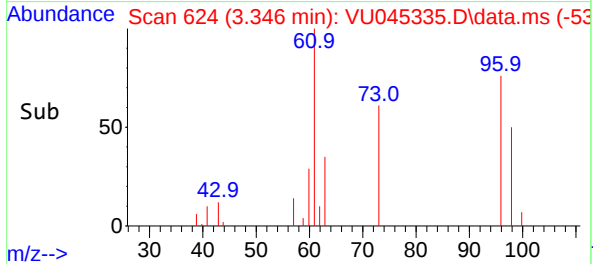




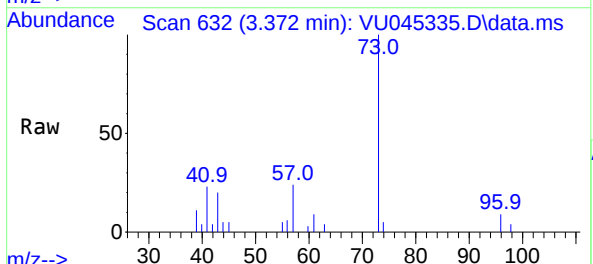
#17
trans-1,2-Dichloroethene
Concen: 1.737 ug/L
RT: 3.346 min Scan# 624
Delta R.T. -0.010 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



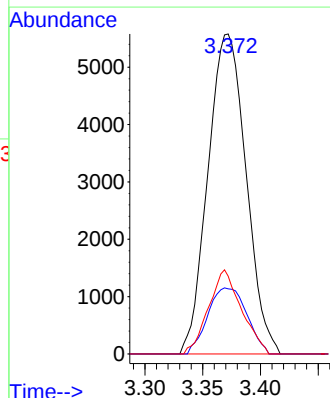
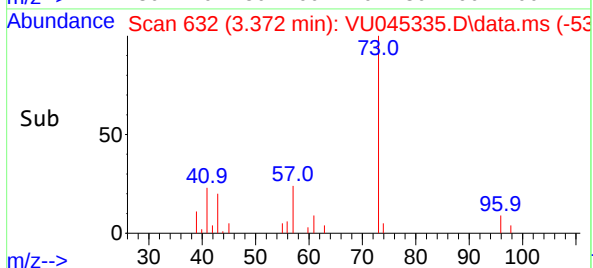
Tgt Ion: 96 Resp: 3565
Ion Ratio Lower Upper
96 100
61 132.4 104.7 194.4
98 65.9 45.8 85.2



#18
Methyl tert-butyl Ether
Concen: 1.791 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



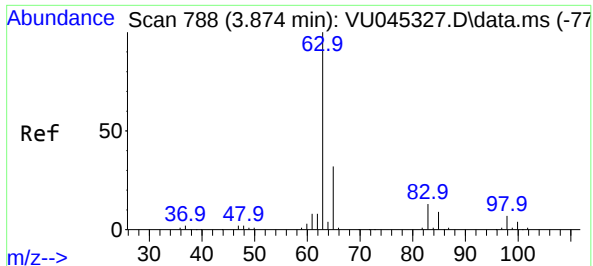
Tgt Ion: 73 Resp: 12820
Ion Ratio Lower Upper
73 100
43 21.1 16.2 24.4
57 22.7 17.9 26.9



Instrument :
MSVOA_U
ClientSampled :
MDL01

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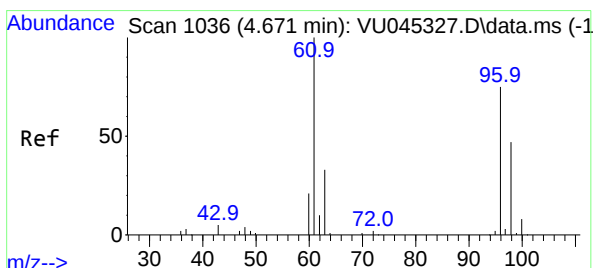
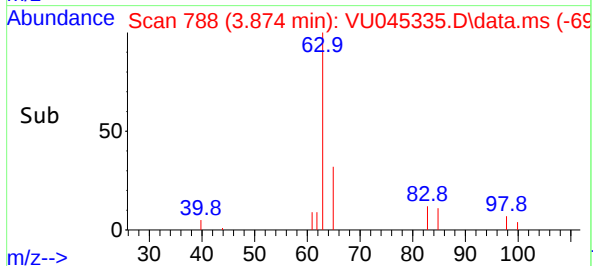
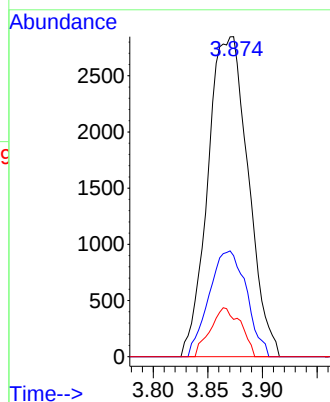
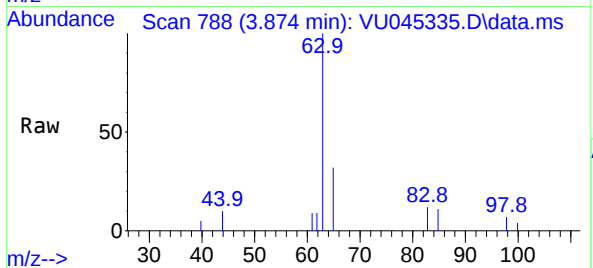
#19
1,1-Dichloroethane
Concen: 1.739 ug/L m
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:	63	Resp:	7305
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.9
83	11.7	8.9	16.5

Instrument :
MSVOA_U
ClientSampled :
MDL01

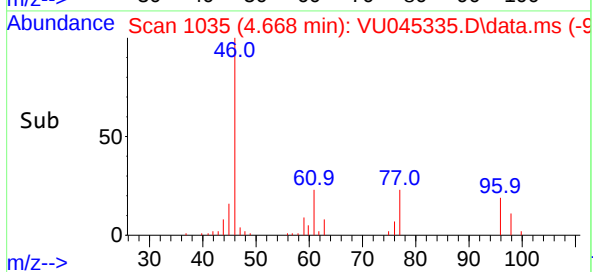
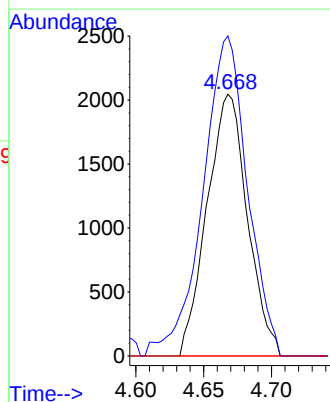
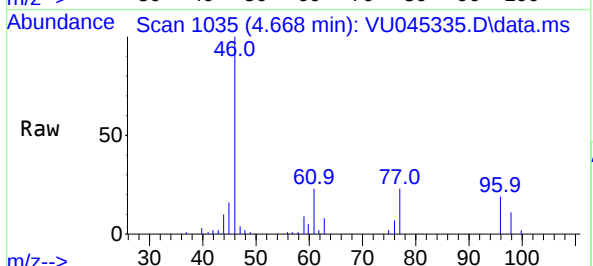
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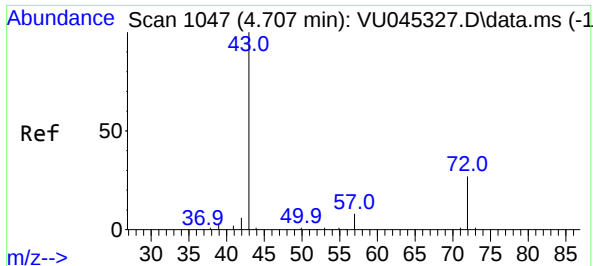
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#20
cis-1,2-Dichloroethene
Concen: 1.801 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:	96	Resp:	4235
Ion	Ratio	Lower	Upper
96	100		
61	122.2	94.2	175.0
68	0.0	0.0	0.0





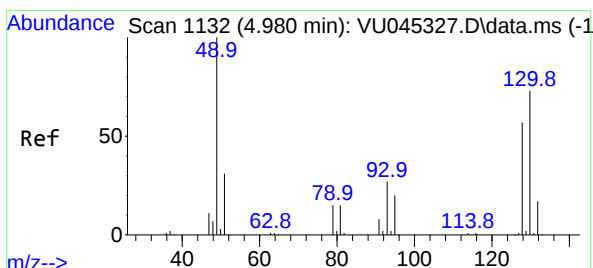
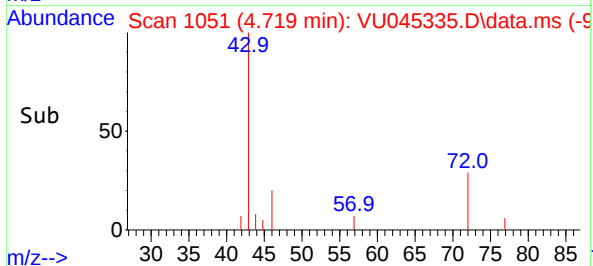
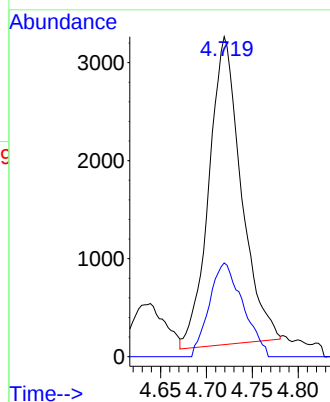
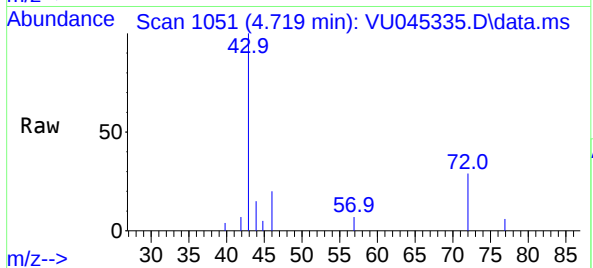
#22
2-Butanone
Concen: 3.133 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 43 Resp: 7696
Ion Ratio Lower Upper
43 100
72 31.7 14.1 42.2

Instrument :
MSVOA_U
ClientSampled :
MDL01

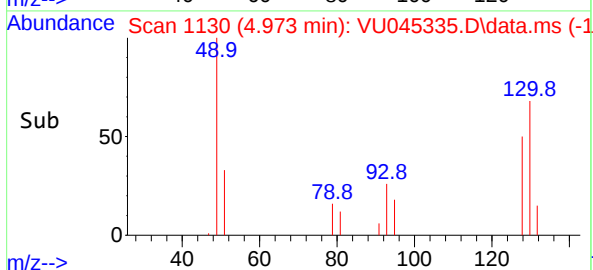
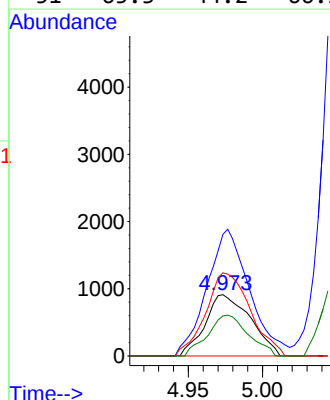
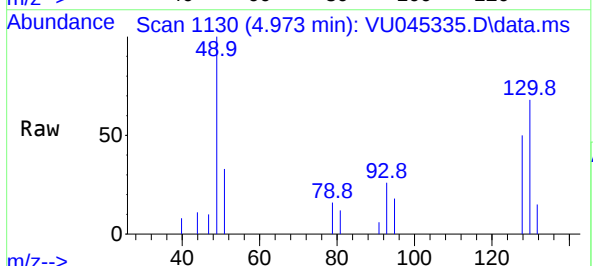
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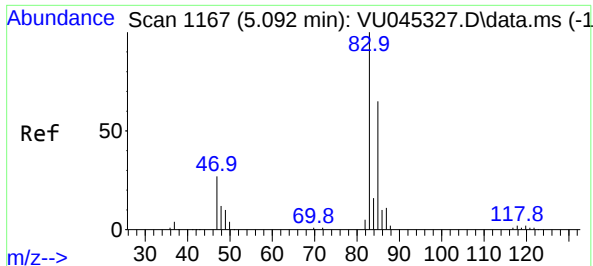
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#23
Bromochloromethane
Concen: 1.673 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.007 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

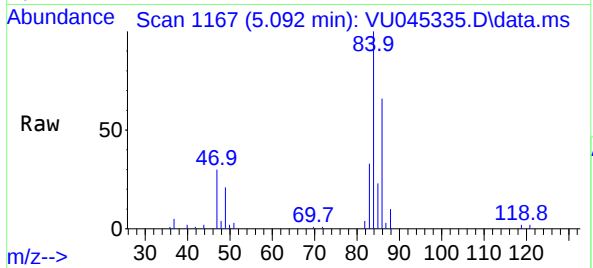
Tgt Ion: 128 Resp: 1937
Ion Ratio Lower Upper
128 100
49 198.7 123.8 229.8
130 135.9 89.8 166.8
51 65.3 44.2 66.2





#25
Chloroform
Concen: 2.337 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

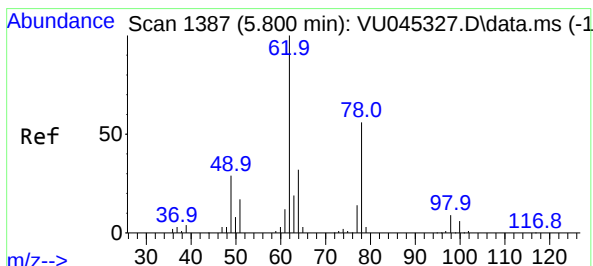
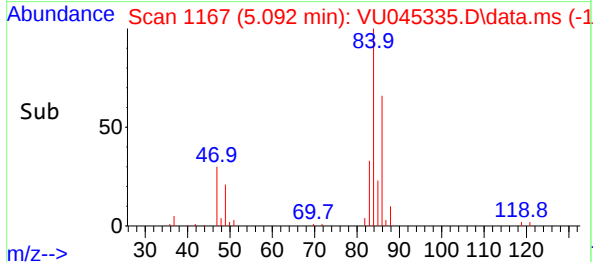
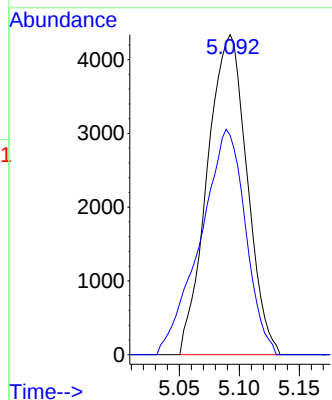
Instrument :
MSVOA_U
ClientSampleId :
MDL01



Tgt Ion: 83 Resp: 9991
Ion Ratio Lower Upper
83 100
85 68.6 45.4 84.2

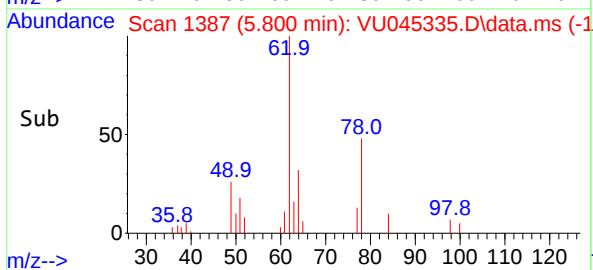
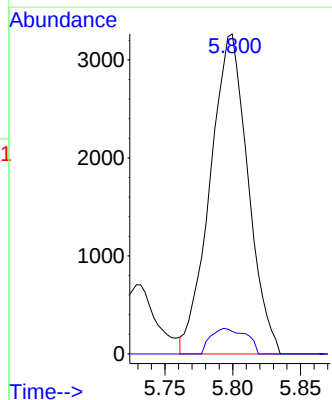
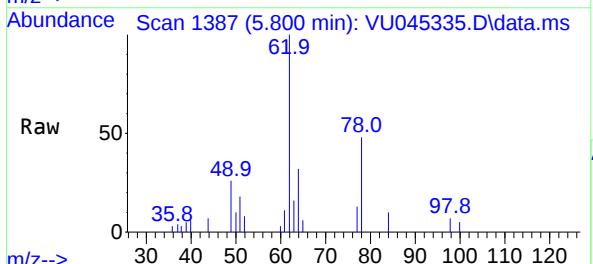
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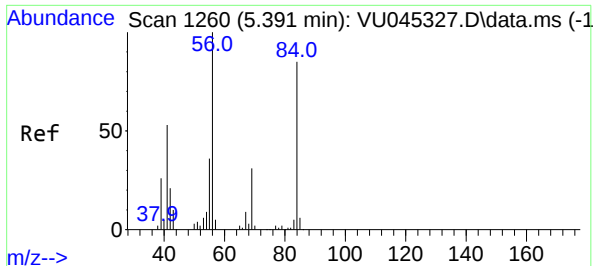
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#27
1,2-Dichloroethane
Concen: 1.857 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 62 Resp: 6342
Ion Ratio Lower Upper
62 100
98 7.1 7.4 11.2#





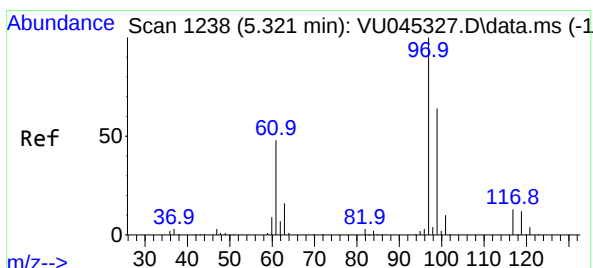
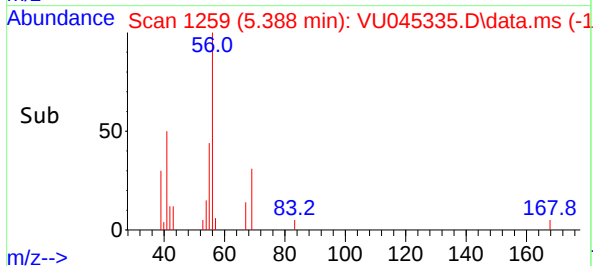
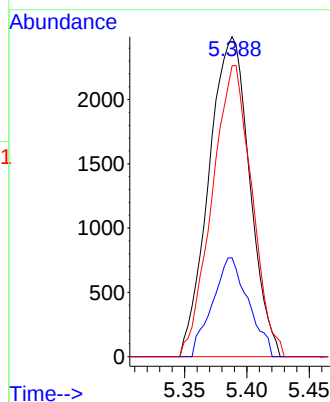
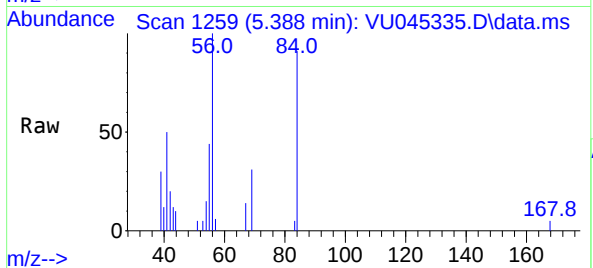
#29
Cyclohexane
Concen: 1.593 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:	56	Resp:	5667
Ion Ratio	Lower	Upper	
56	100		
69	27.2	24.8	37.2
84	88.7	70.3	105.5

Instrument :
MSVOA_U
ClientSampleId :
MDL01

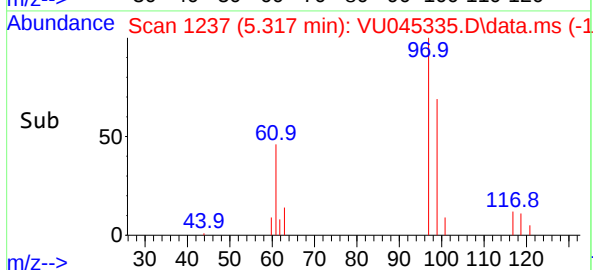
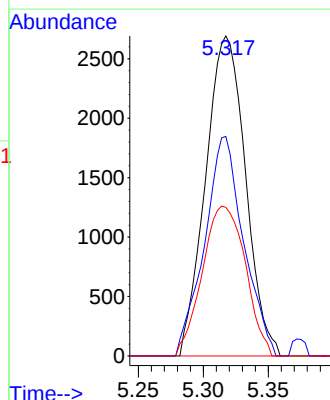
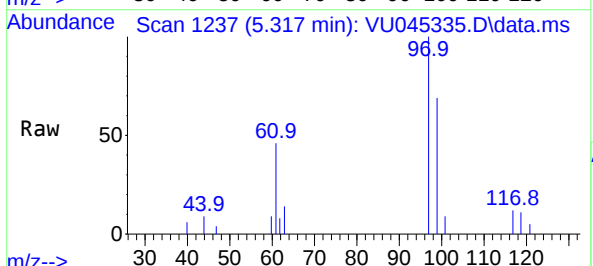
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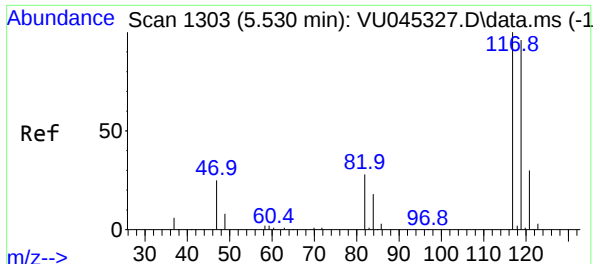
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#30
1,1,1-Trichloroethane
Concen: 1.627 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:	97	Resp:	5751
Ion Ratio	Lower	Upper	
97	100		
99	67.0	51.5	77.3
61	50.5	39.2	58.8





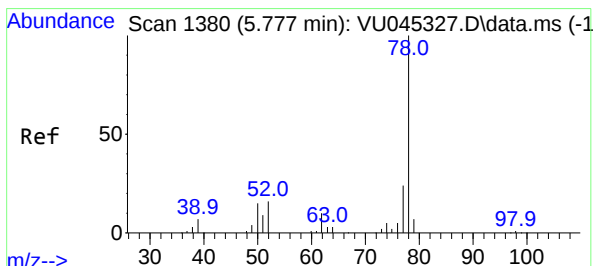
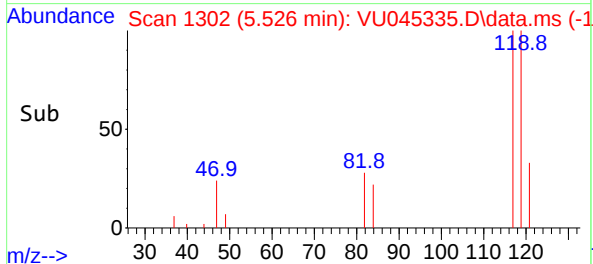
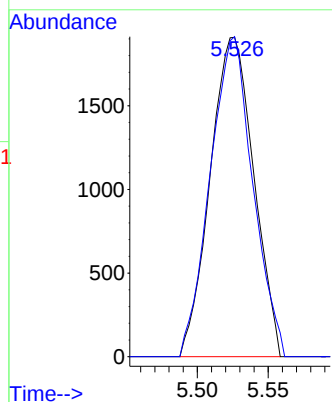
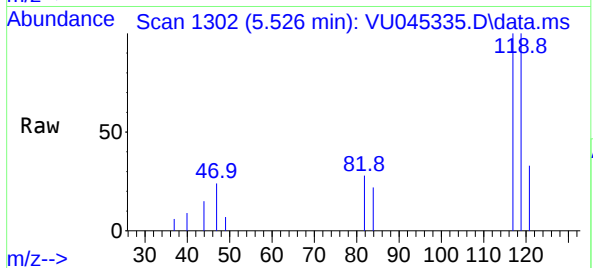
#31
Carbon tetrachloride
Concen: 1.495 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:117 Resp: 4082
Ion Ratio Lower Upper
117 100
119 98.1 76.7 115.1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

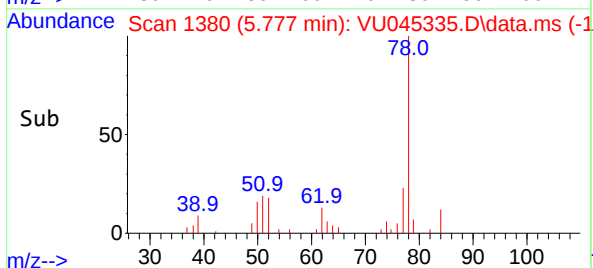
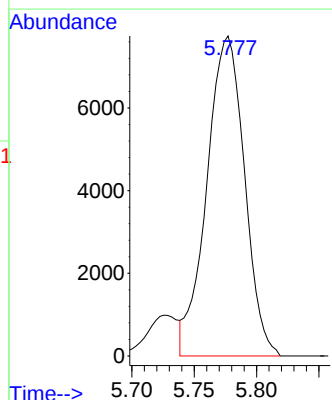
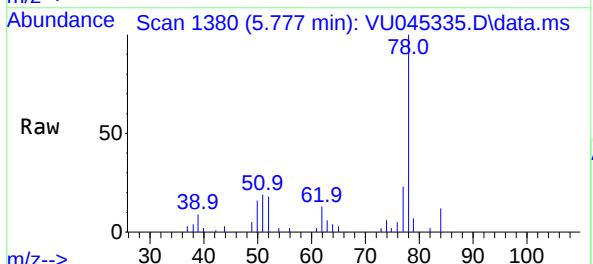
Manual Integrations
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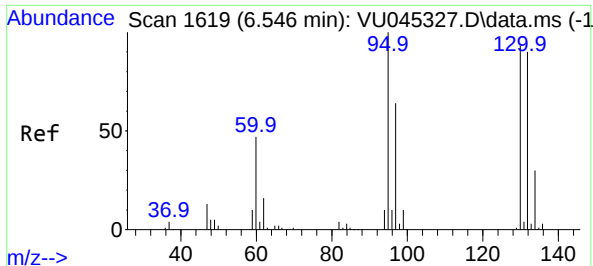
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#33
Benzene
Concen: 1.746 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

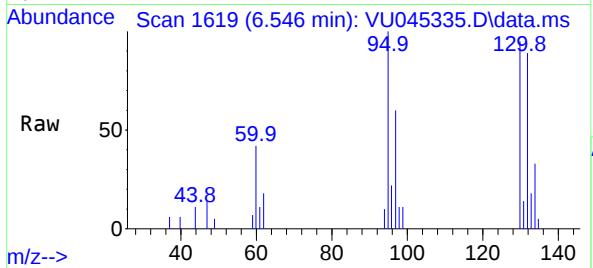
Tgt Ion: 78 Resp: 16283





#34
Trichloroethene
Concen: 1.663 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

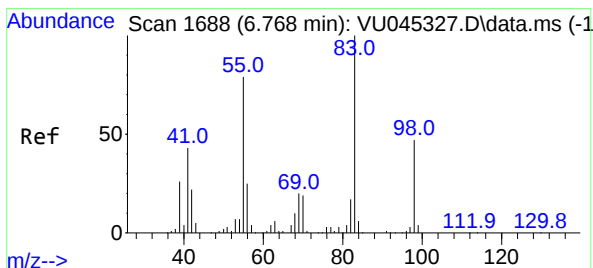
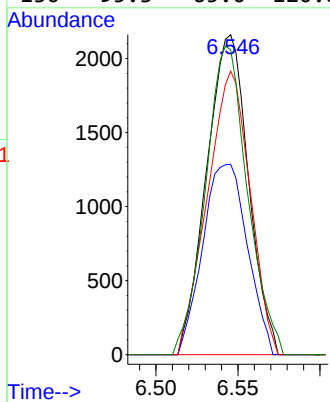
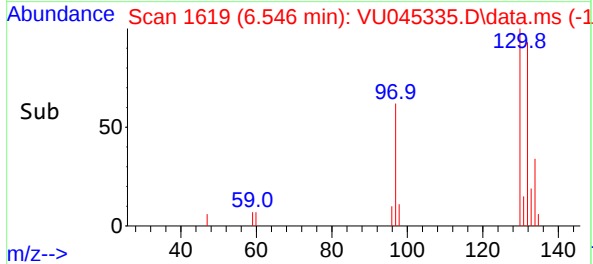
Instrument :
MSVOA_U
ClientSampled :
MDL01



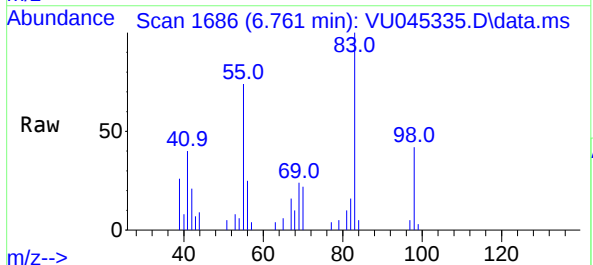
Tgt Ion: 95 Resp: 3826
Ion Ratio Lower Upper
95 100
97 59.5 44.9 83.3
132 88.6 63.0 117.0
130 95.3 65.0 120.8

Manual Integrations
APPROVED

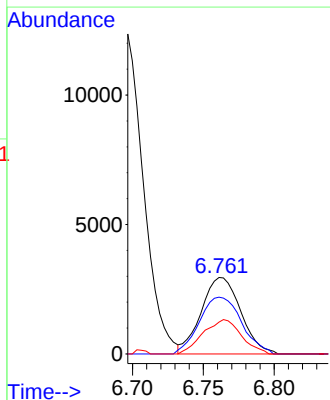
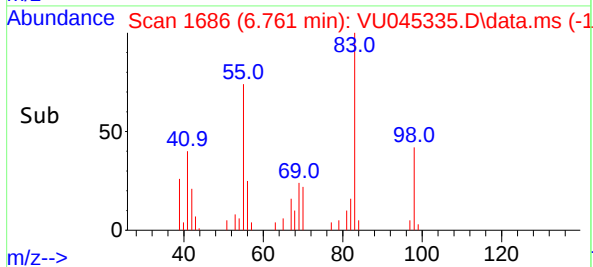
MMDadoda
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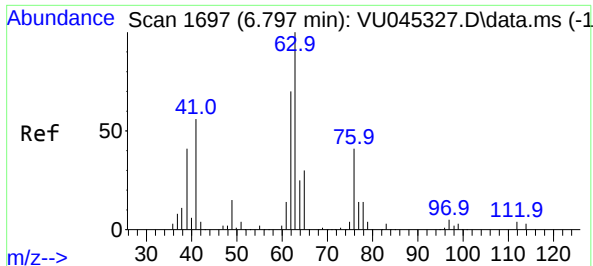


#35
Methylcyclohexane
Concen: 1.585 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.007 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



Tgt Ion: 83 Resp: 5727
Ion Ratio Lower Upper
83 100
55 79.2 63.4 95.0
98 43.4 37.9 56.9





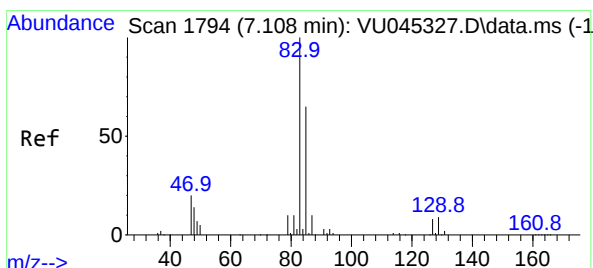
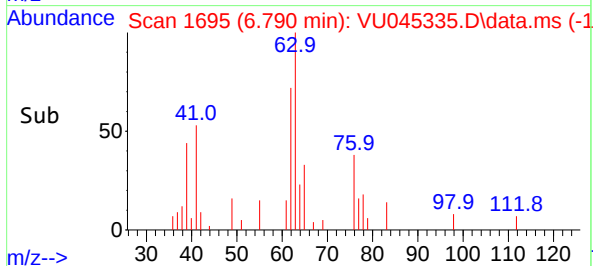
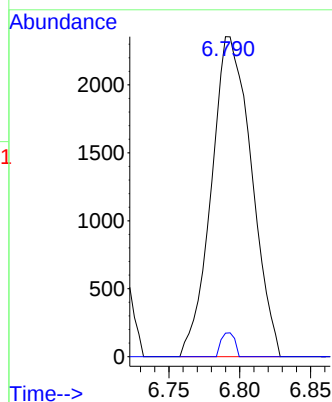
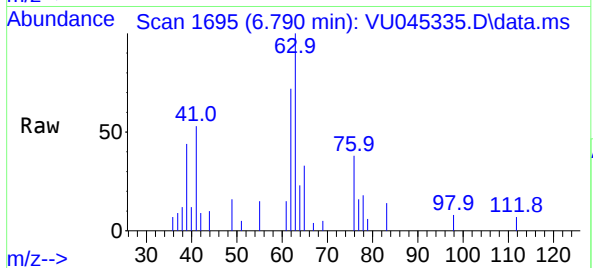
#37
1,2-Dichloropropane
Concen: 1.825 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.007 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 63 Resp: 4630
Ion Ratio Lower Upper
63 100
112 2.5 3.3 4.9#

Instrument :
MSVOA_U
ClientSampled :
MDL01

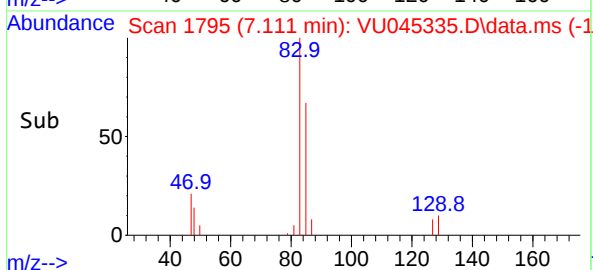
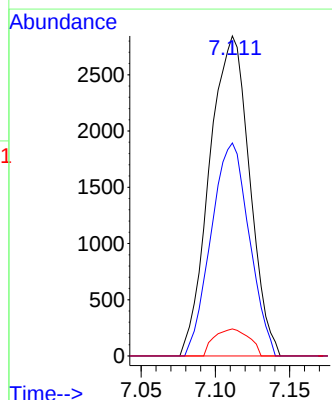
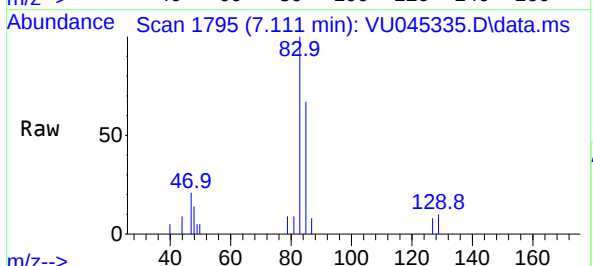
Manual Integrations
APPROVED

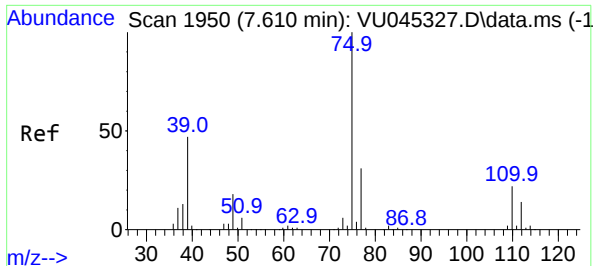
MMDadoda
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#38
Bromodichloromethane
Concen: 1.624 ug/L
RT: 7.111 min Scan# 1795
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 83 Resp: 5329
Ion Ratio Lower Upper
83 100
85 66.5 45.5 84.5
127 8.5 6.3 9.5





#39

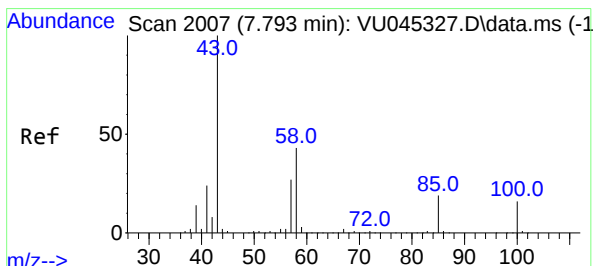
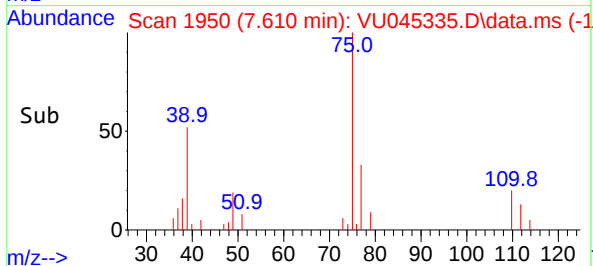
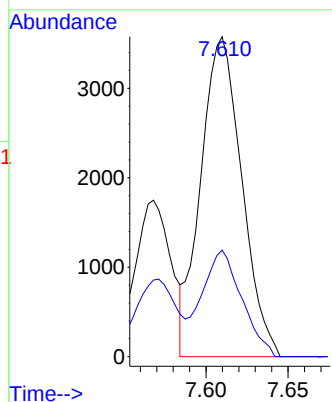
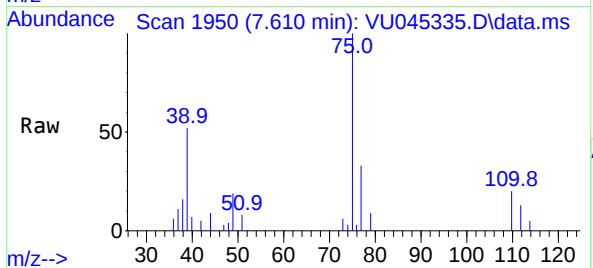
cis-1,3-Dichloropropene
Concen: 1.636 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 75 Resp: 6214
Ion Ratio Lower Upper
75 100
77 33.3 21.6 40.0

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
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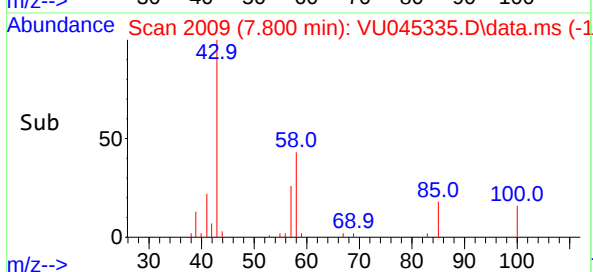
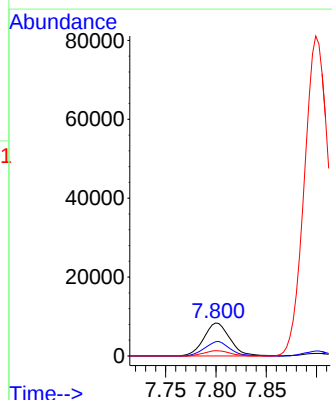
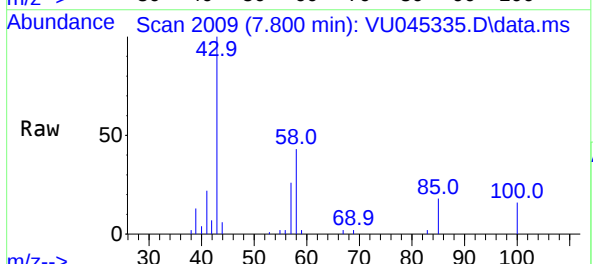
MMDadoda
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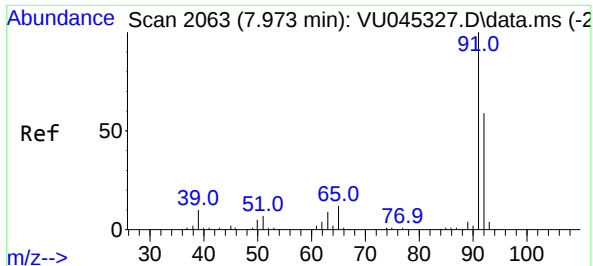


#40

4-Methyl-2-pentanone
Concen: 3.900 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 43 Resp: 15091
Ion Ratio Lower Upper
43 100
58 41.5 33.7 50.5
100 15.5 13.0 19.4





#42

Toluene

Concen: 2.012 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU045335.D

Acq: 19 Oct 2021 17:31

Tgt Ion: 91 Resp: 19574

Ion Ratio Lower Upper

91 100

92 56.5 41.2 76.6

Instrument :

MSVOA_U

ClientSampled :

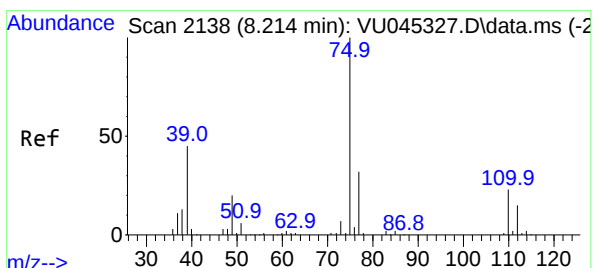
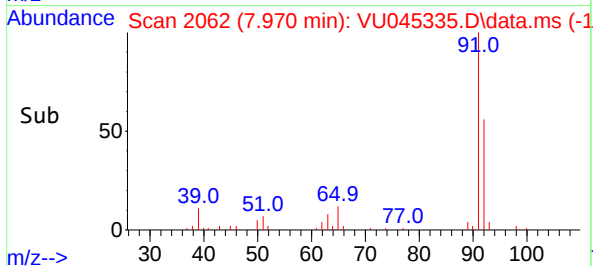
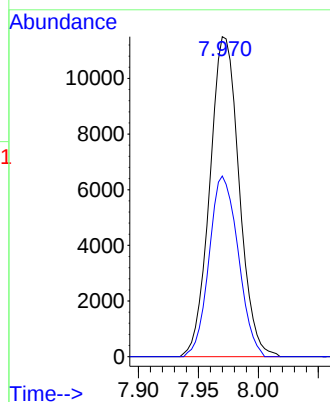
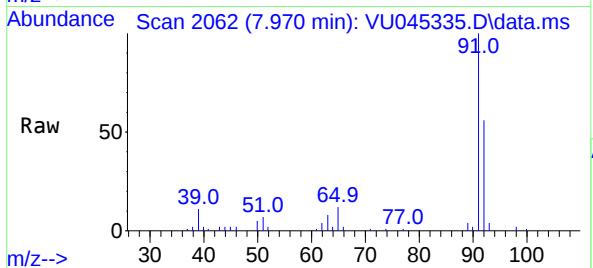
MDL01

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 1.805 ug/L m

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU045335.D

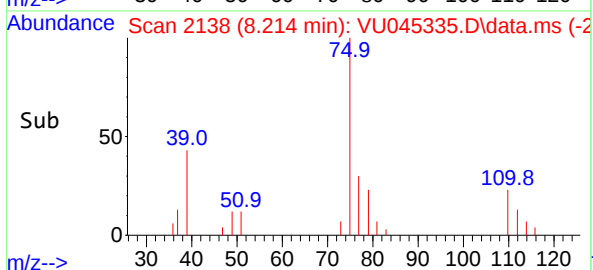
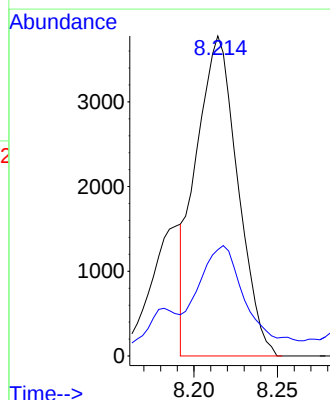
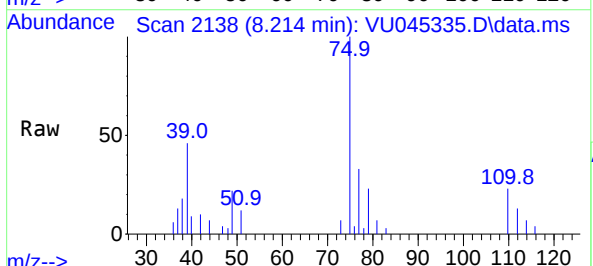
Acq: 19 Oct 2021 17:31

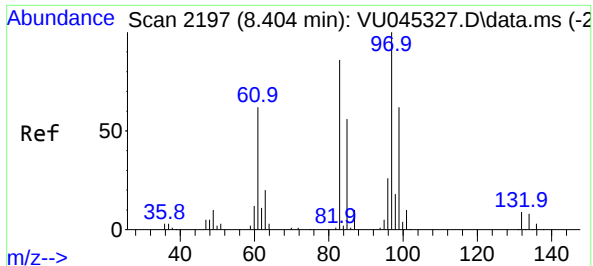
Tgt Ion: 75 Resp: 6554

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.9

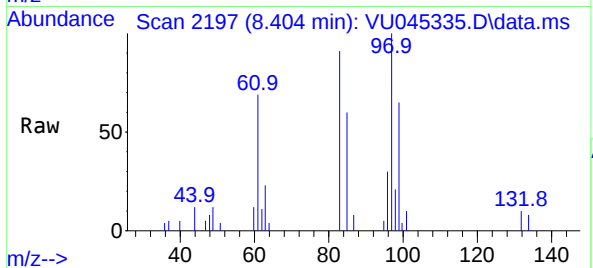




#45

1,1,2-Trichloroethane
Concen: 1.894 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

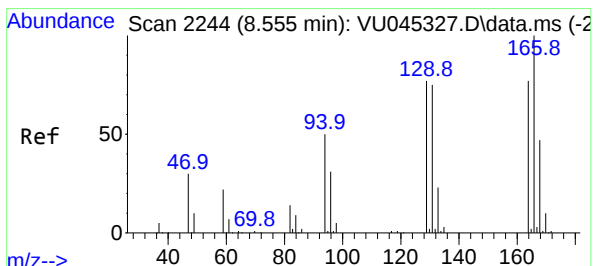
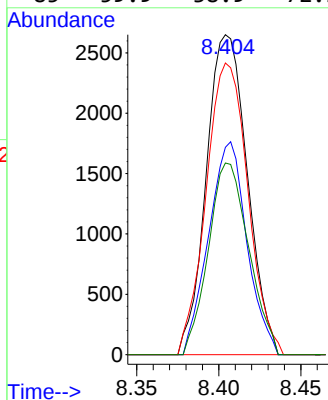
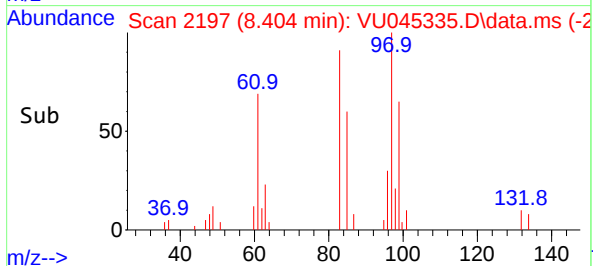
Instrument :
MSVOA_U
ClientSampled :
MDL01



Tgt Ion:	97	Resp:	4604
Ion	Ratio	Lower	Upper
97	100		
99	69.2	43.0	80.0
83	91.1	60.1	111.5
85	59.9	38.9	72.3

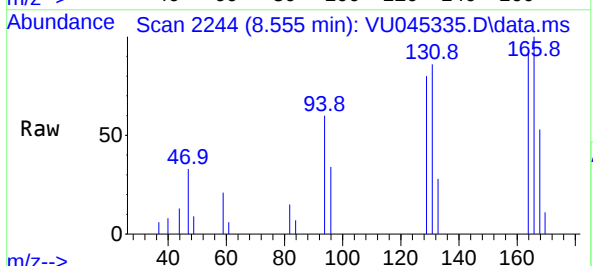
Manual Integrations
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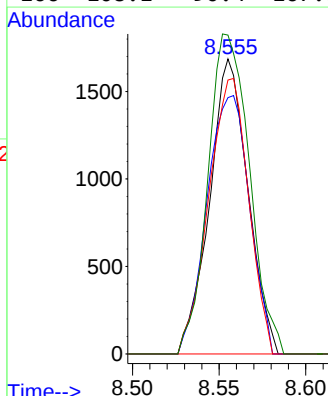
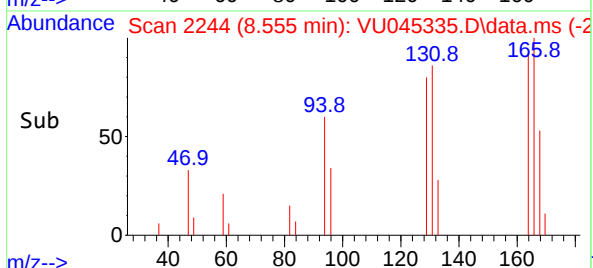


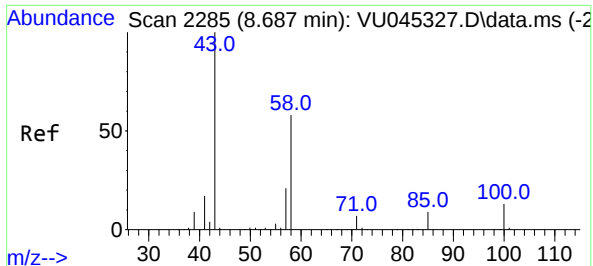
#46

Tetrachloroethene
Concen: 1.631 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



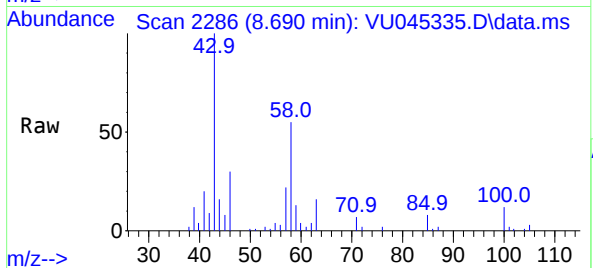
Tgt Ion:	164	Resp:	2599
Ion	Ratio	Lower	Upper
164	100		
129	86.9	69.6	129.2
131	92.9	67.5	125.4
166	108.1	90.4	167.8





#48
2-Hexanone
Concen: 5.139 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

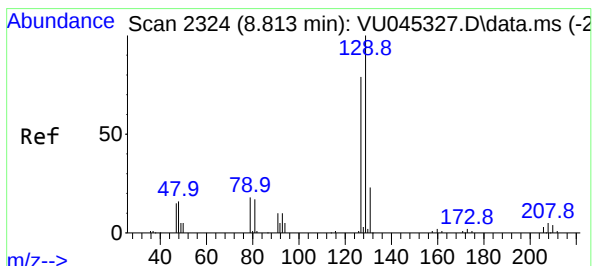
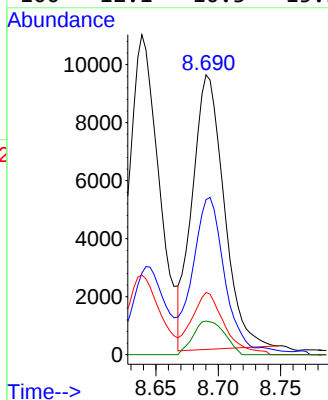
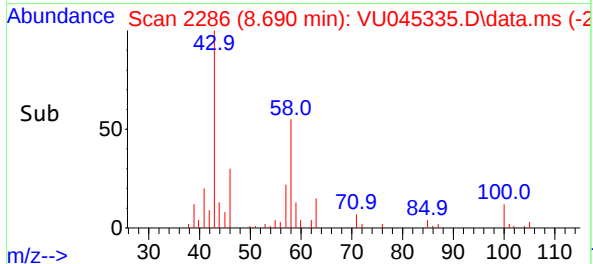
Instrument :
MSVOA_U
ClientSampled :
MDL01



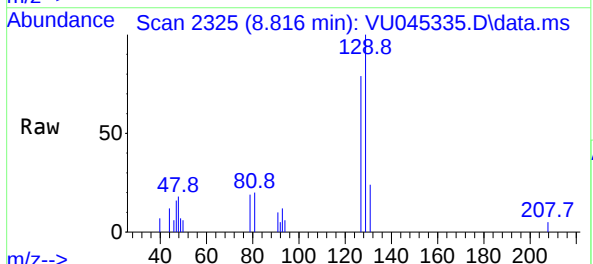
Tgt Ion: 43 Resp: 16784
Ion Ratio Lower Upper
43 100
58 52.8 45.4 68.0
57 23.3 16.0 24.0
100 12.1 10.3 15.5

Manual Integrations
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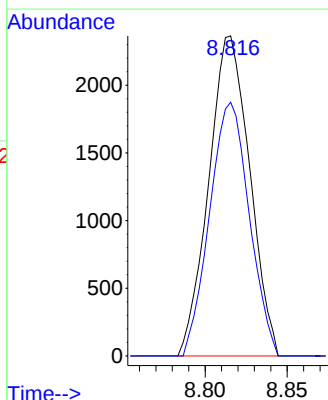
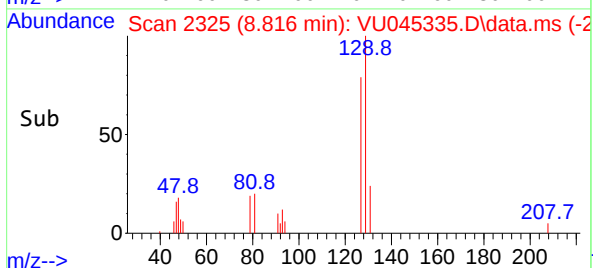
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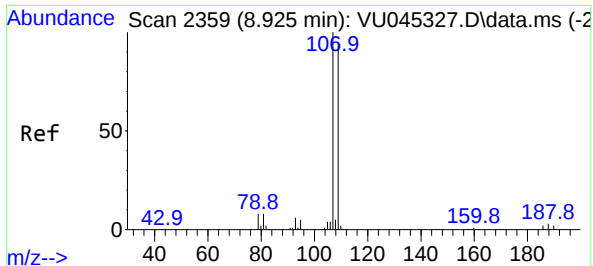


#49
Dibromochloromethane
Concen: 1.730 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



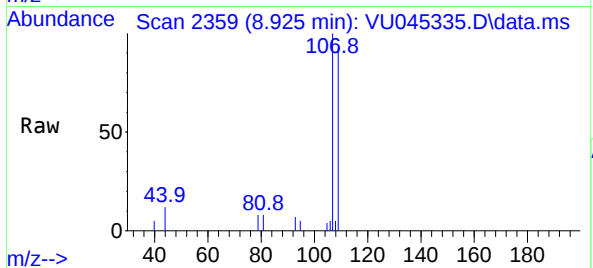
Tgt Ion: 129 Resp: 4097
Ion Ratio Lower Upper
129 100
127 79.3 55.3 102.7





#50
1,2-Dibromoethane
Concen: 1.767 ug/L
RT: 8.925 min Scan# 2359
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

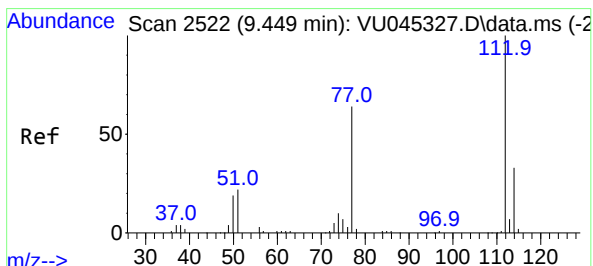
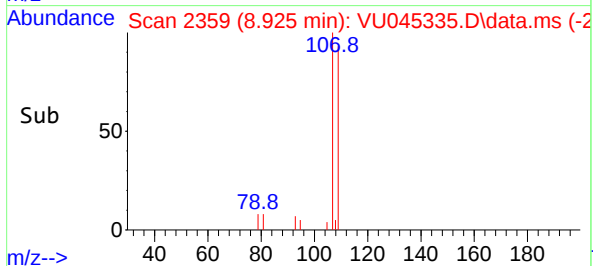
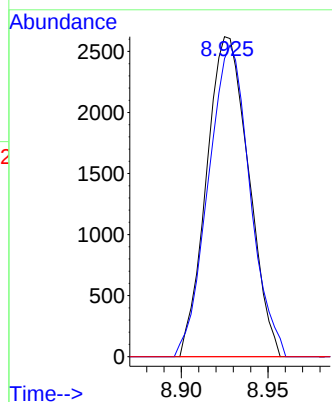
Instrument :
MSVOA_U
ClientSampled :
MDL01



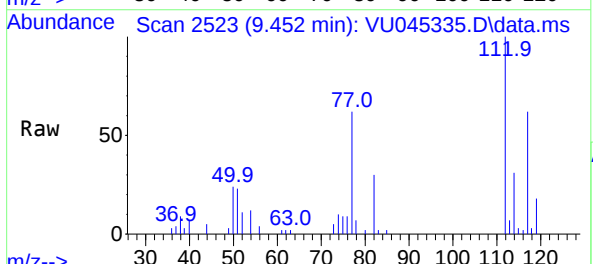
Tgt Ion:107 Resp: 4423
Ion Ratio Lower Upper
107 100
109 93.2 66.6 123.6
188 0.0 2.6 4.0#

Manual Integrations
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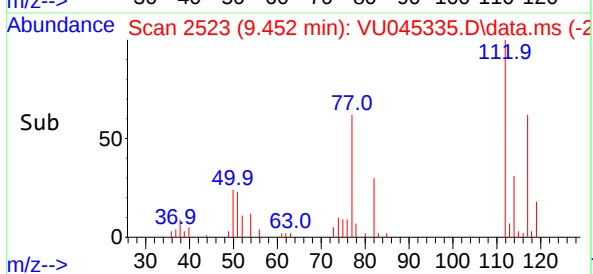
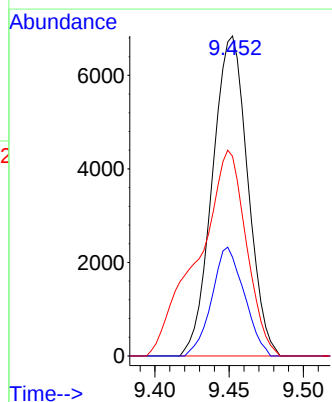
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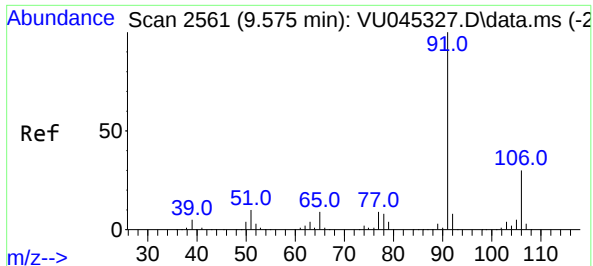


#51
Chlorobenzene
Concen: 1.836 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



Tgt Ion:112 Resp: 11313
Ion Ratio Lower Upper
112 100
114 30.8 22.8 42.4
77 62.4 51.3 76.9





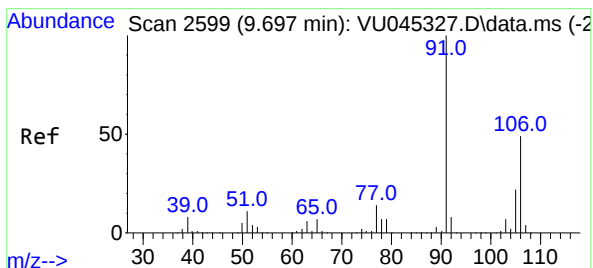
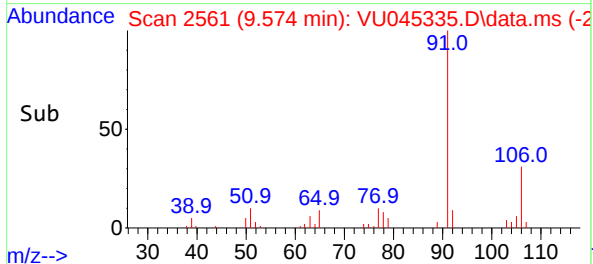
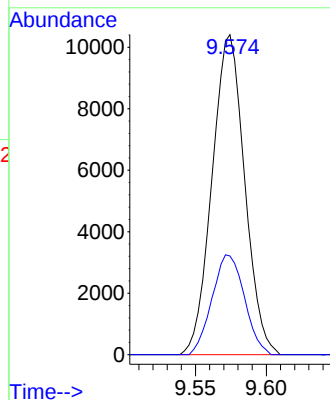
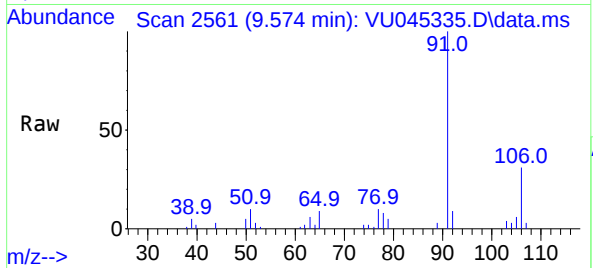
#52
Ethylbenzene
Concen: 1.579 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 91 Resp: 16676
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3

Instrument :
MSVOA_U
ClientSampleId :
MDL01

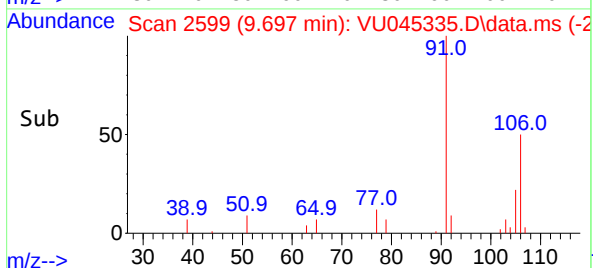
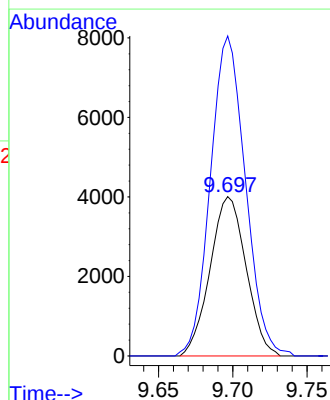
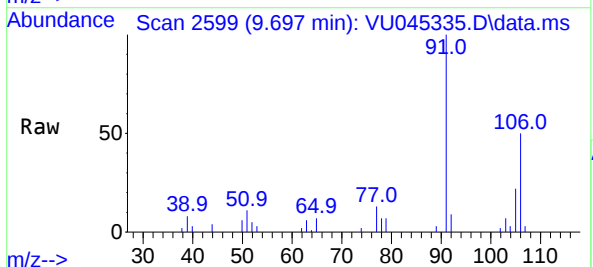
Manual Integrations
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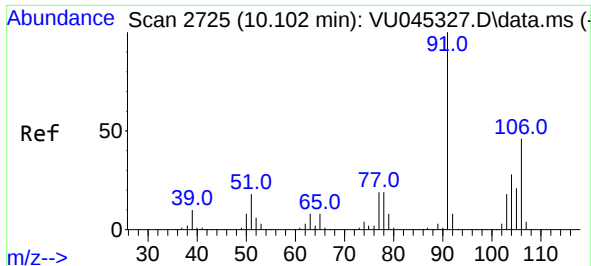
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#53
m,p-Xylene
Concen: 1.688 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 106 Resp: 6770
Ion Ratio Lower Upper
106 100
91 187.6 144.4 268.2





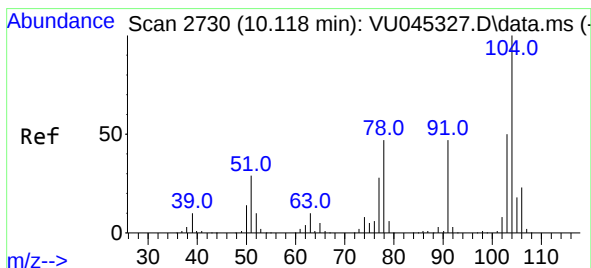
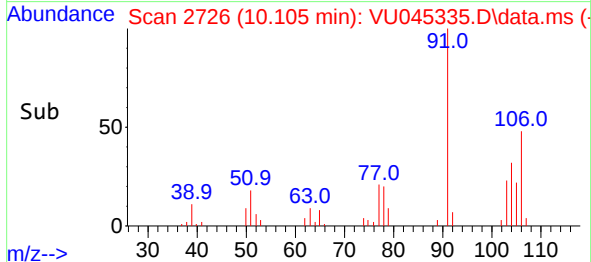
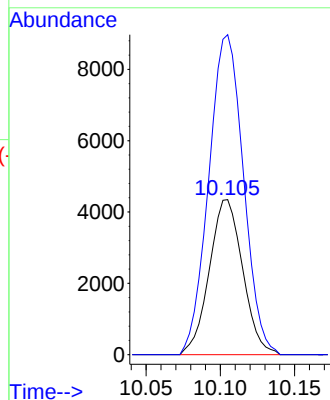
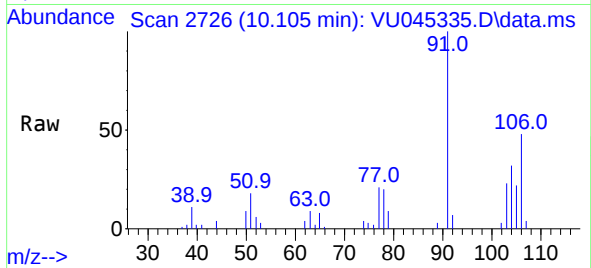
#54
o-xylene
Concen: 1.691 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:106 Resp: 6807
Ion Ratio Lower Upper
106 100
91 206.4 151.1 280.5

Instrument :
MSVOA_U
ClientSampled :
MDL01

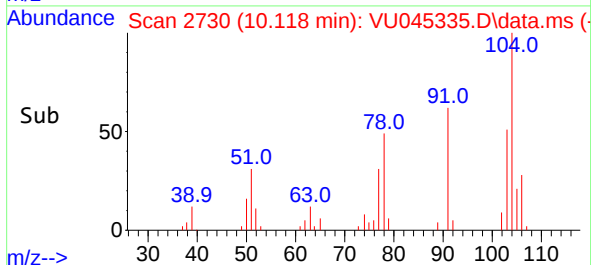
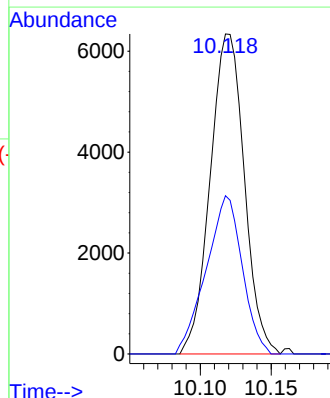
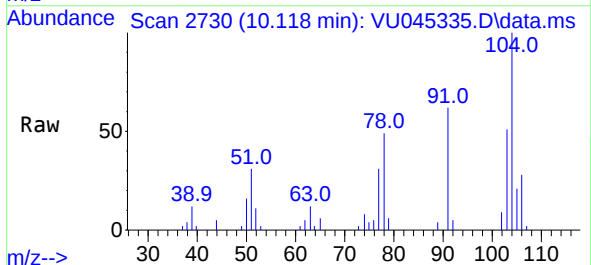
Manual Integrations
APPROVED

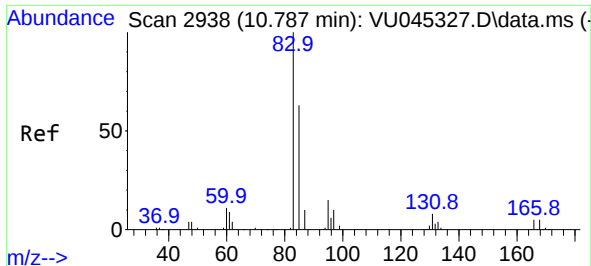
MMDadoda
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#55
Styrene
Concen: 1.560 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:104 Resp: 10629
Ion Ratio Lower Upper
104 100
78 49.5 32.7 60.7





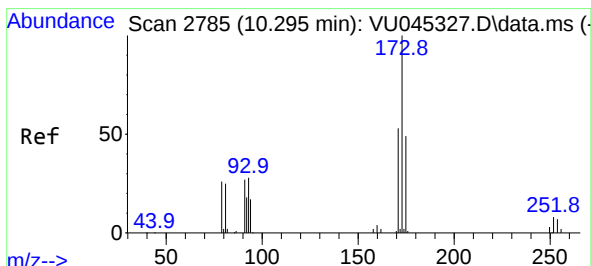
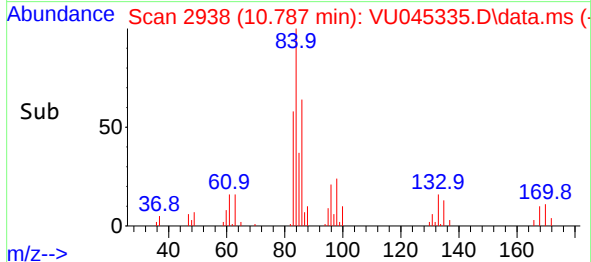
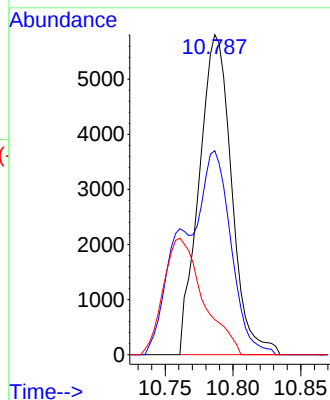
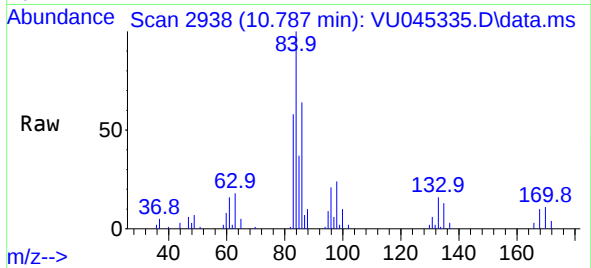
#57
1,1,2,2-Tetrachloroethane
Concen: 2.256 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 83 Resp: 9690
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.5
131 10.9 6.8 10.2#

Instrument :
MSVOA_U
ClientSampled :
MDL01

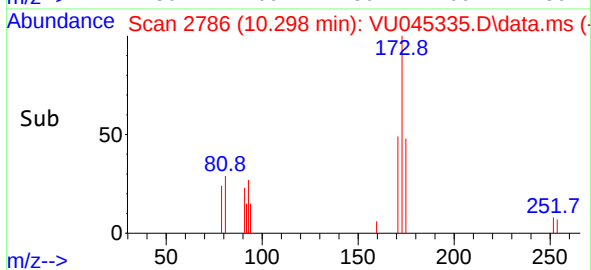
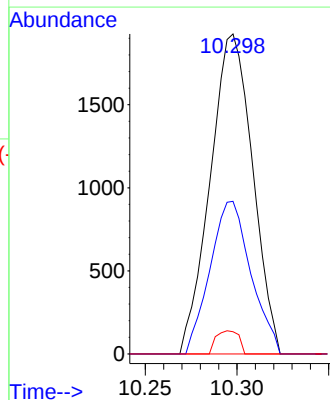
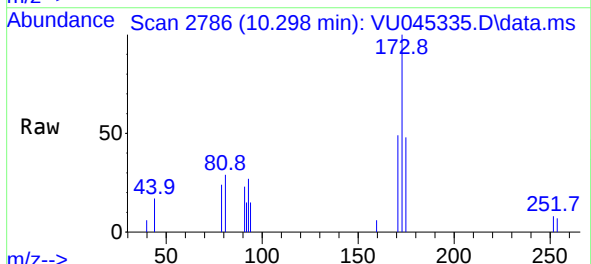
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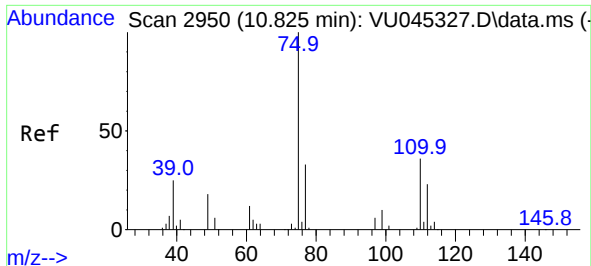
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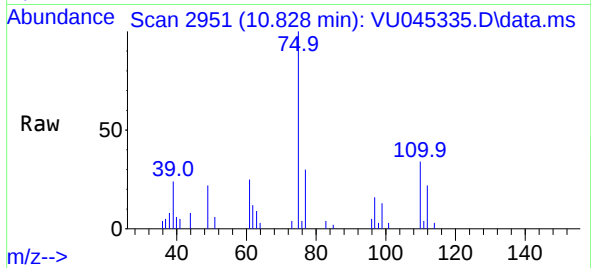
#59
Bromoform
Concen: 2.070 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:173 Resp: 3094
Ion Ratio Lower Upper
173 100
175 45.9 39.3 58.9
254 3.8 5.8 8.6#

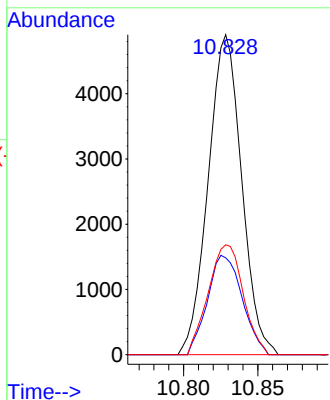




#60
1,2,3-Trichloropropane
Concen: 2.456 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



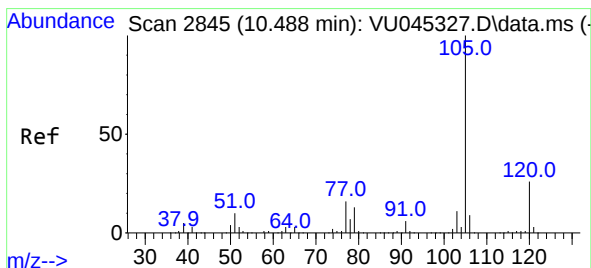
Tgt Ion:	75	Resp:	7688
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
110	35.9	28.8	43.2



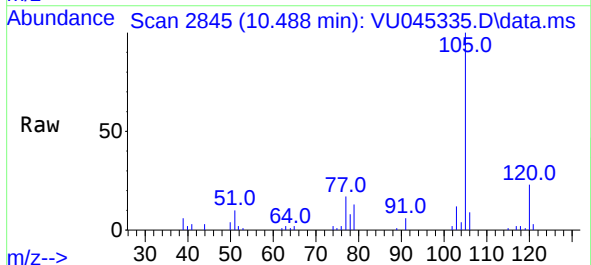
Instrument :
MSVOA_U
ClientSampled :
MDL01

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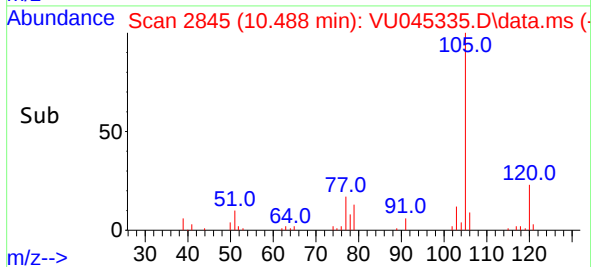
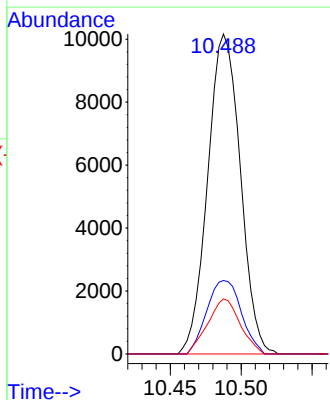
MMDadoda
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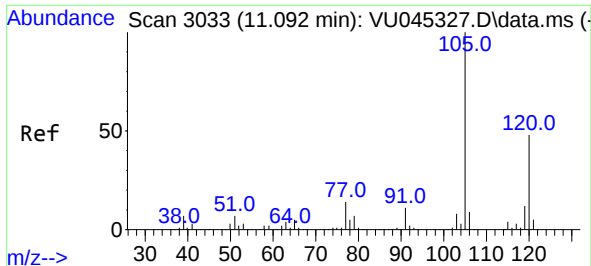


#61
Isopropylbenzene
Concen: 1.749 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



Tgt Ion:	105	Resp:	16283
Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.5	30.7
77	17.0	13.2	19.8





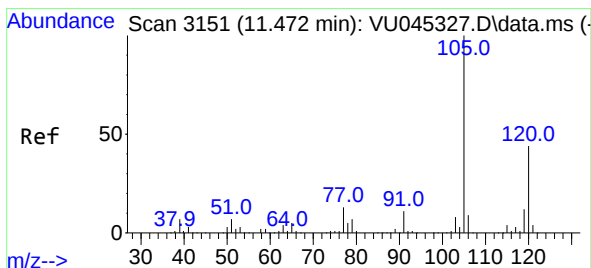
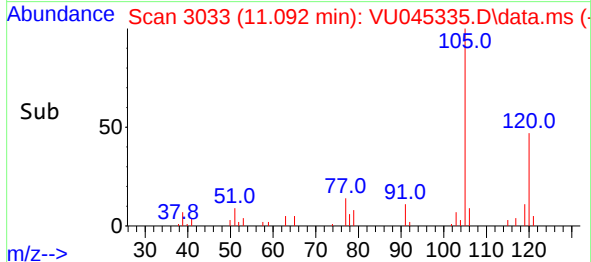
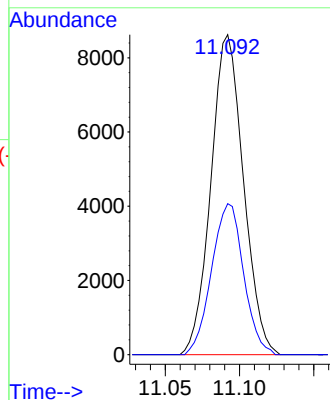
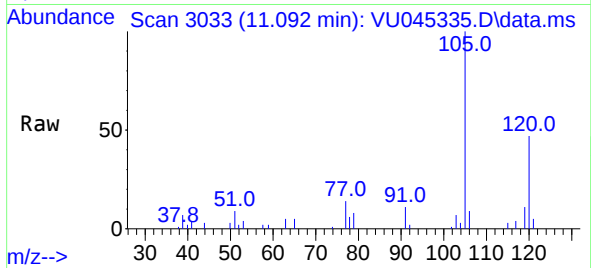
#62
1,3,5-Trimethylbenzene
Concen: 1.708 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:105 Resp: 13157
Ion Ratio Lower Upper
105 100
120 46.4 38.2 57.2

Instrument :
MSVOA_U
ClientSampled :
MDL01

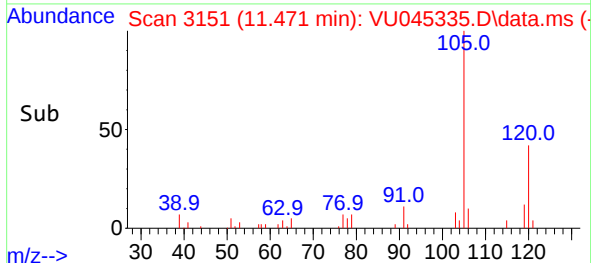
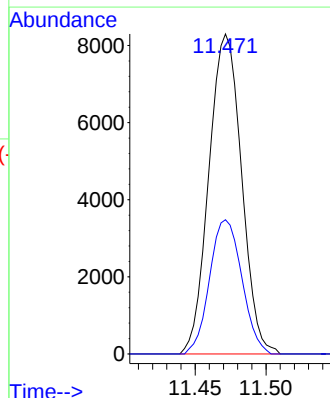
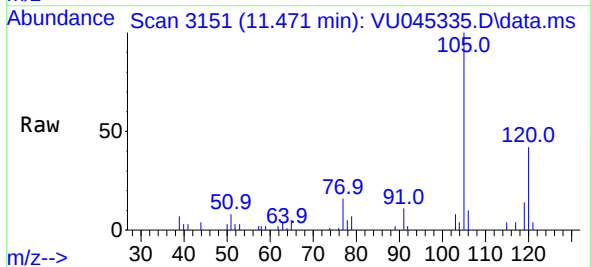
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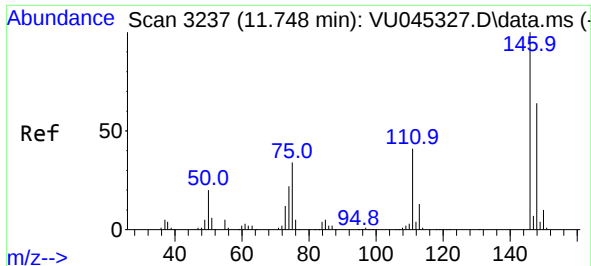
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#63
1,2,4-Trimethylbenzene
Concen: 1.707 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:105 Resp: 13311
Ion Ratio Lower Upper
105 100
120 41.4 35.5 53.3





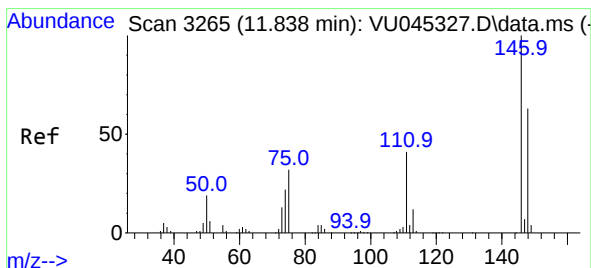
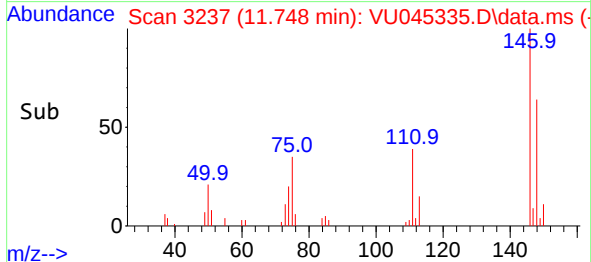
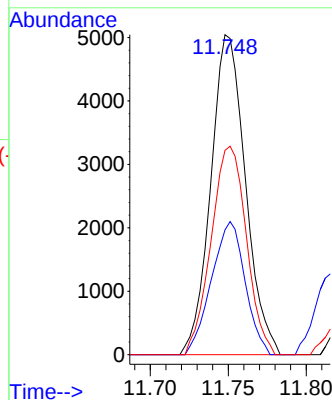
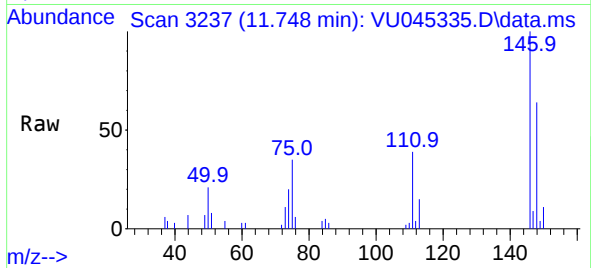
#64
1,3-Dichlorobenzene
Concen: 1.849 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:146 Resp: 7797
Ion Ratio Lower Upper
146 100
111 39.2 29.0 53.9
148 58.5 45.0 83.6

Instrument :
MSVOA_U
ClientSampled :
MDL01

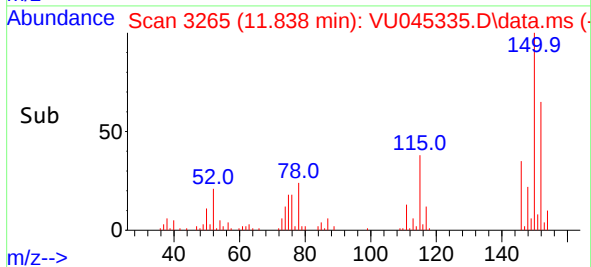
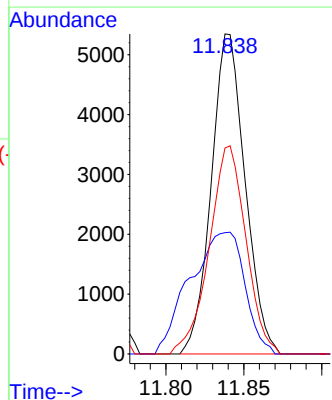
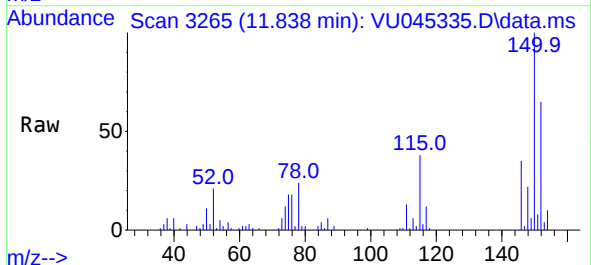
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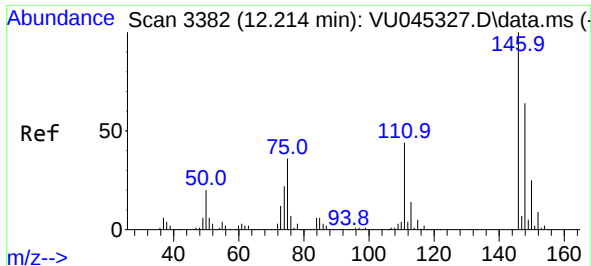
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#65
1,4-Dichlorobenzene
Concen: 1.888 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion:146 Resp: 8072
Ion Ratio Lower Upper
146 100
111 37.9 28.6 53.2
148 64.4 44.2 82.0





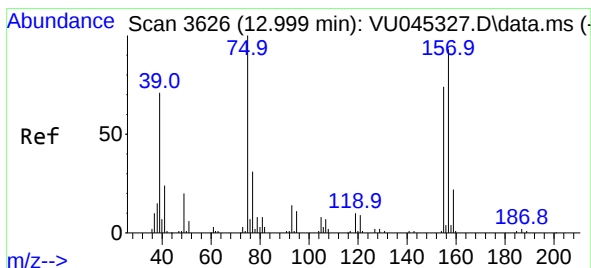
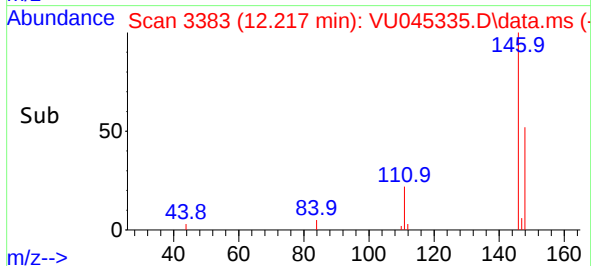
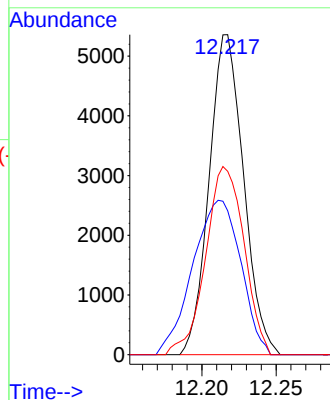
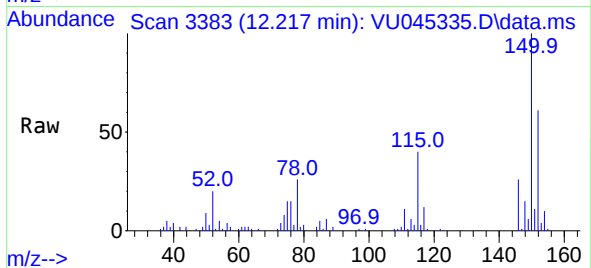
#67
1,2-Dichlorobenzene
Concen: 2.029 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

Tgt Ion: 146 Resp: 8649
Ion Ratio Lower Upper
146 100
111 44.9 35.2 52.8
148 57.3 50.8 76.2

Instrument :
MSVOA_U
ClientSampled :
MDL01

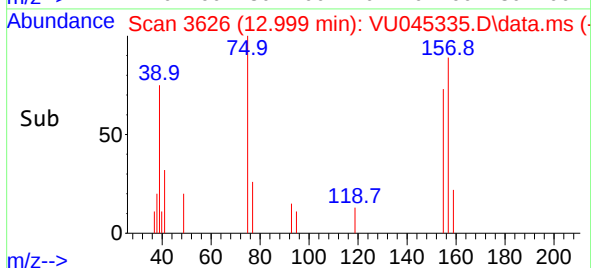
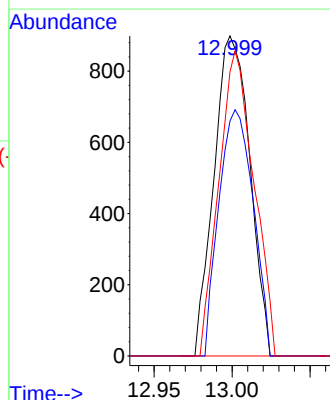
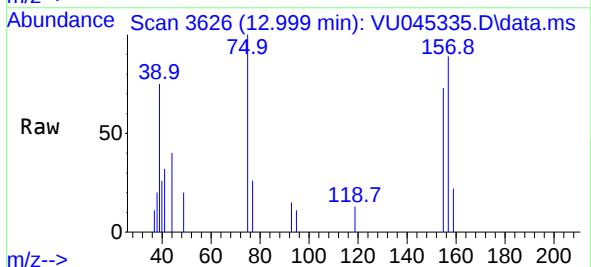
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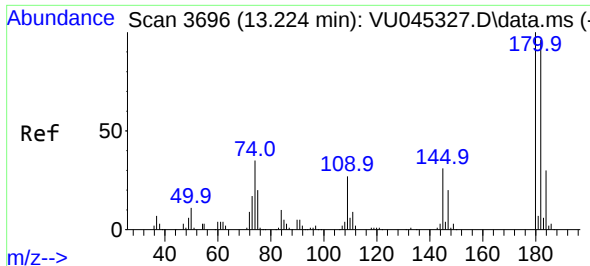
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#68
1,2-Dibromo-3-chloropropane
Concen: 1.648 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

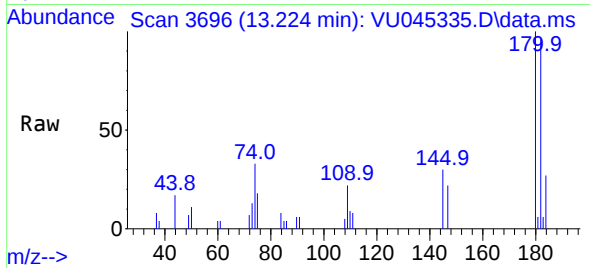
Tgt Ion: 75 Resp: 1437
Ion Ratio Lower Upper
75 100
155 73.4 61.9 92.9
157 88.8 74.1 111.1



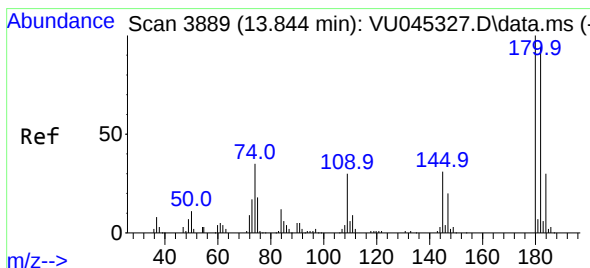
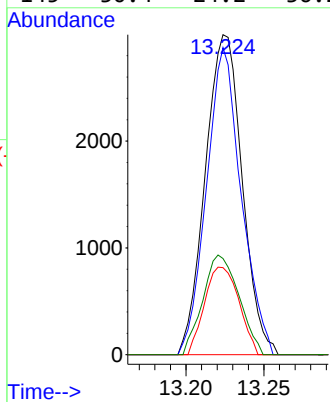
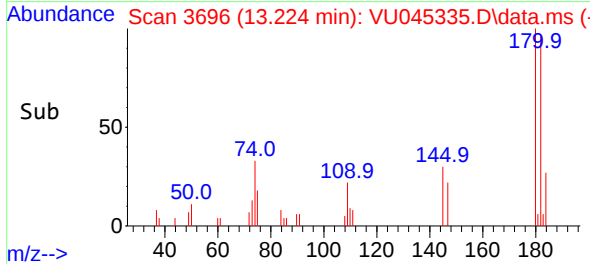


#69
1,3,5-Trichlorobenzene
Concen: 1.701 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

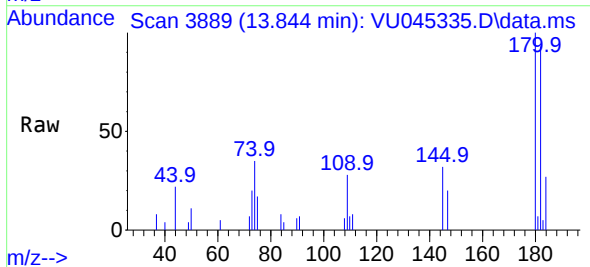
Instrument :
MSVOA_U
ClientSampled :
MDL01



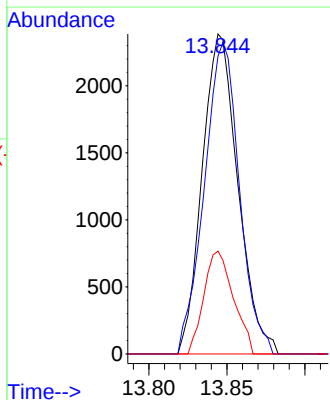
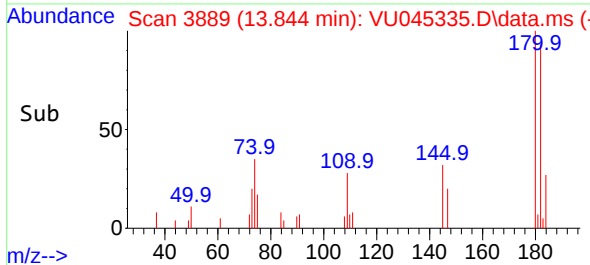
Tgt Ion:180 Resp: 4936
Ion Ratio Lower Upper
180 100
182 90.2 76.0 114.0
184 25.5 23.8 35.8
145 30.4 24.2 36.2

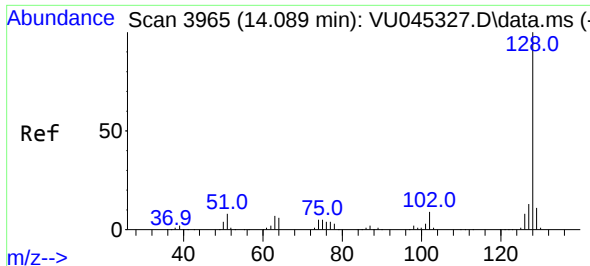


#70
1,2,4-trichlorobenzene
Concen: 1.561 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



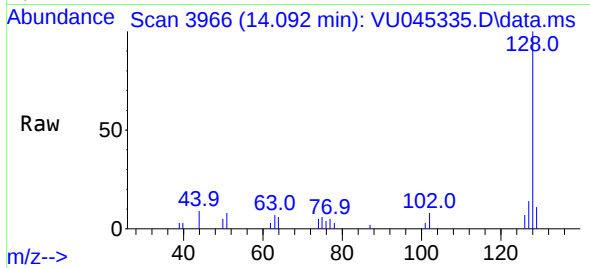
Tgt Ion:180 Resp: 3796
Ion Ratio Lower Upper
180 100
182 95.7 75.7 113.5
145 26.6 25.1 37.7





#71
Naphthalene
Concen: 1.530 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31

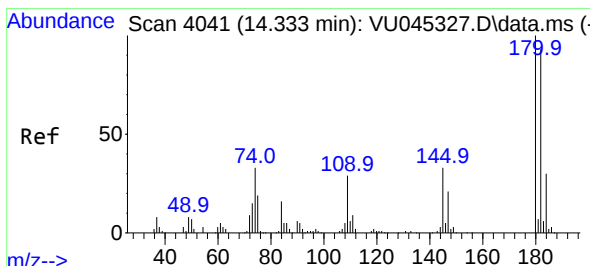
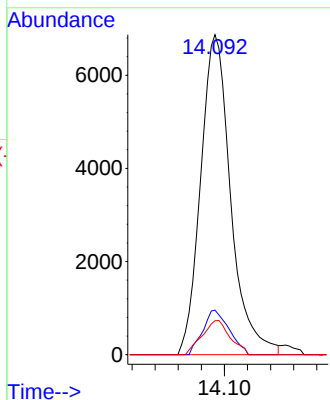
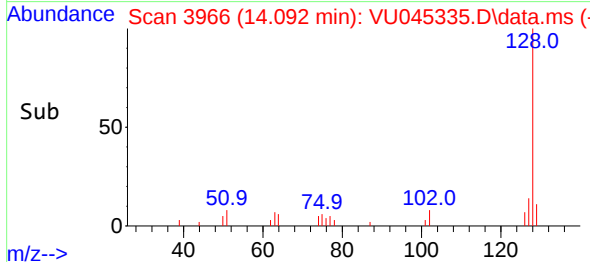
Instrument :
MSVOA_U
ClientSampled :
MDL01



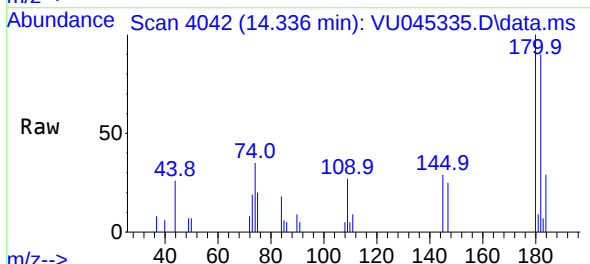
Tgt Ion:128 Resp: 12436
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 9.9 8.6 13.0

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#72
1,2,3-Trichlorobenzene
Concen: 1.498 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU045335.D
Acq: 19 Oct 2021 17:31



Tgt Ion:180 Resp: 3640
Ion Ratio Lower Upper
180 100
182 96.3 75.0 112.4
145 30.1 26.4 39.6

