

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101921\
 Data File : VU045336.D
 Acq On : 19 Oct 2021 17:55
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/20/2021 3:47:01 PM

Quant Time: Oct 20 03:10:01 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	288286	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	292656	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	134894	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	54612	43.486	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.980%
7) Chloroethane-d5	1.874	69	23776	19.812	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	39.620%#
11) 1,1-Dichloroethene-d2	2.555	63	69508	27.797	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.600%#
21) 2-Butanone-d5	4.629	46	199592	106.474	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.470%
24) Chloroform-d	5.063	84	152477	45.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
26) 1,2-Dichloroethane-d4	5.703	65	110035	48.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
32) Benzene-d6	5.729	84	258021	46.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.740%
36) 1,2-Dichloropropane-d6	6.694	67	103131	48.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.400%
41) Toluene-d8	7.899	98	212730	45.310	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.620%
43) trans-1,3-Dichloroprop...	8.182	79	50802	46.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.540%
47) 2-Hexanone-d5	8.639	63	160927	119.866	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.870%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	233985	57.844	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.680%
66) 1,2-Dichlorobenzene-d4	12.198	152	123475	52.757	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4167	1.983	ug/L	93
3) Chloromethane	1.520	50	6137	2.580	ug/L	94
5) Vinyl chloride	1.604	62	5605	2.131	ug/L #	31
6) Bromomethane	1.829	94	1632	1.172	ug/L	93
8) Chloroethane	1.896	64	5347	3.236	ug/L	83
9) Trichlorofluoromethane	2.112	101	6107	1.909	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	4389	2.158	ug/L	91
12) 1,1-Dichloroethene	2.568	96	4166	2.222	ug/L #	1
13) Acetone	2.636	43	7287	3.339	ug/L	93
14) Carbon disulfide	2.780	76	10160	1.972	ug/L	98
15) Methyl Acetate	2.954	43	8196	3.028	ug/L	92
16) Methylene chloride	3.047	84	5578	2.310	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	3952	1.965	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	14414	2.055	ug/L	98
19) 1,1-Dichloroethane	3.864	63	8631	2.097	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	4728	2.052	ug/L	92
22) 2-Butanone	4.716	43	8468	3.518	ug/L	79
23) Bromochloromethane	4.977	128	2297	2.024	ug/L	95
25) Chloroform	5.089	83	11167	2.666	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	7584	2.267	ug/L	99
29) Cyclohexane	5.385	56	6278	1.807	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	6752	1.955	ug/L	97
31) Carbon tetrachloride	5.520	117	4881	1.831	ug/L	98
33) Benzene	5.774	78	18545	2.035	ug/L	100
34) Trichloroethene	6.542	95	4444	1.978	ug/L	92
35) Methylcyclohexane	6.767	83	6312	1.789	ug/L	98
37) 1,2-Dichloropropane	6.793	63	4942	1.994	ug/L #	88
38) Bromodichloromethane	7.108	83	5982	1.866	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	7206	1.942	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	16686	4.415	ug/L	99
42) Toluene	7.973	91	21782	2.292	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	7514m	2.118	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	5150	2.168	ug/L	95
46) Tetrachloroethene	8.555	164	3000	1.928	ug/L	96
48) 2-Hexanone	8.690	43	18382	5.762	ug/L	97
49) Dibromochloromethane	8.816	129	4764	2.059	ug/L	99
50) 1,2-Dibromoethane	8.928	107	4995	2.043	ug/L #	98
51) Chlorobenzene	9.449	112	12419	2.063	ug/L	98
52) Ethylbenzene	9.571	91	19760	1.916	ug/L	100
53) m,p-Xylene	9.697	106	7278	1.857	ug/L	87
54) o-xylene	10.105	106	7865	2.000	ug/L	99
55) Styrene	10.118	104	12170	1.829	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	10849	2.586	ug/L #	97
59) Bromoform	10.298	173	3423	2.315	ug/L #	93
60) 1,2,3-Trichloropropane	10.828	75	8608	2.779	ug/L	97
61) Isopropylbenzene	10.484	105	18727	2.033	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	14526	1.906	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	14906	1.932	ug/L	98
64) 1,3-Dichlorobenzene	11.751	146	8766	2.102	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	9266	2.190	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	9708	2.302	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.999	75	1611	1.868	ug/L	88
69) 1,3,5-Trichlorobenzene	13.224	180	5499	1.916	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	4184	1.739	ug/L	98
71) Naphthalene	14.092	128	14778	1.838	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	4303	1.790	ug/L	99

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

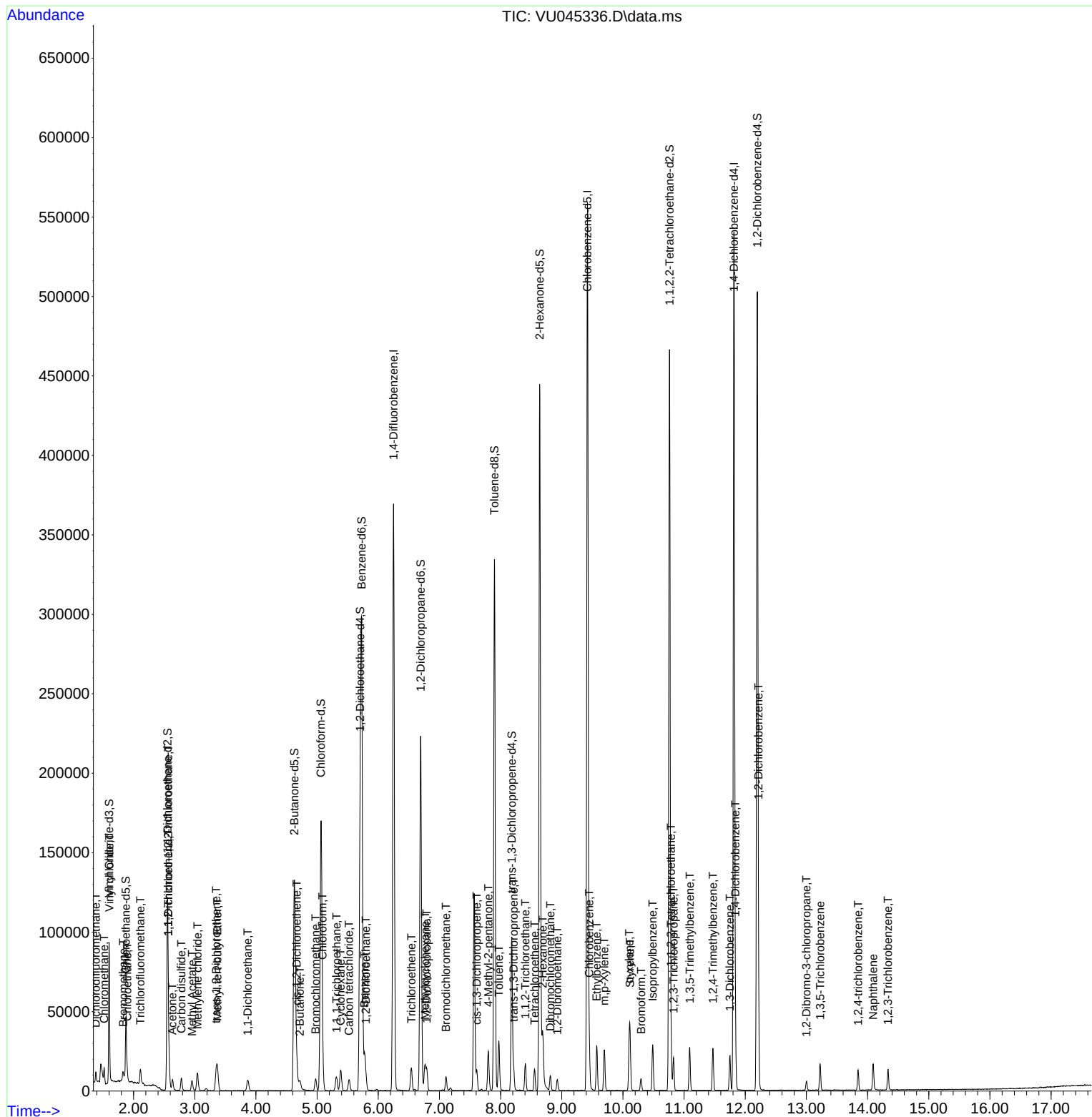
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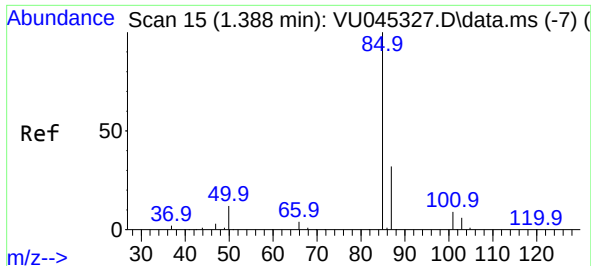
Instrument :
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ClientSampled :
MDL02

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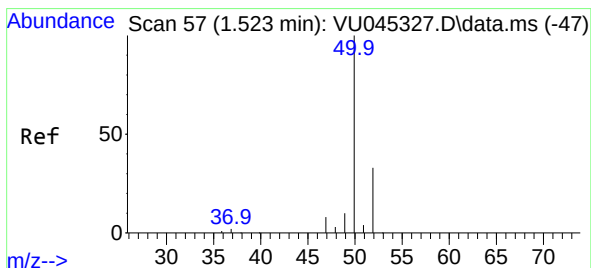
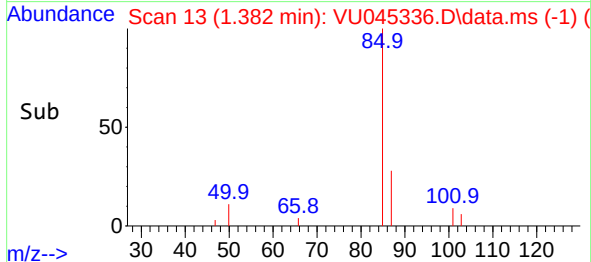
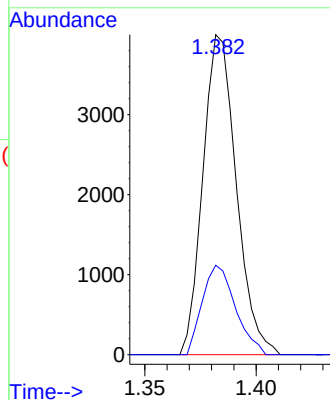
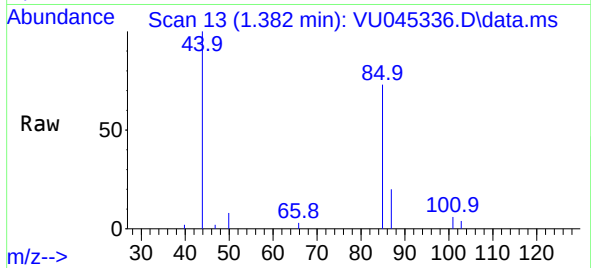
#2
Dichlorodifluoromethane
Concen: 1.983 ug/L
RT: 1.382 min Scan# 13
Delta R.T. -0.007 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 85 Resp: 4167
Ion Ratio Lower Upper
85 100
87 27.8 25.3 37.9

Instrument :
MSVOA_U
ClientSampleId :
MDL02

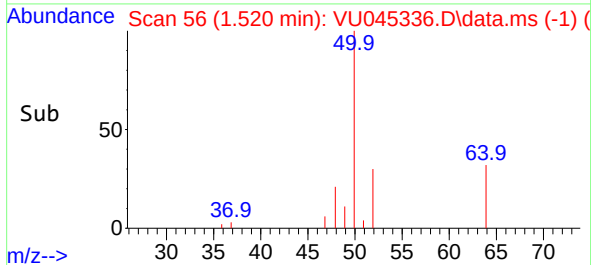
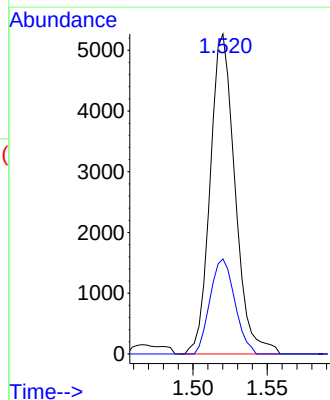
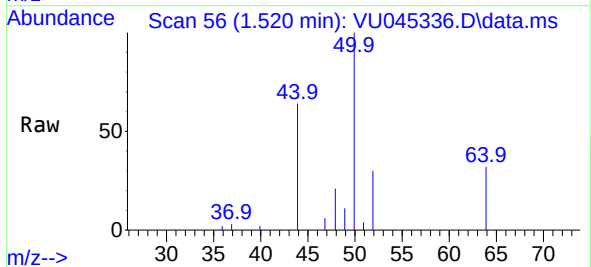
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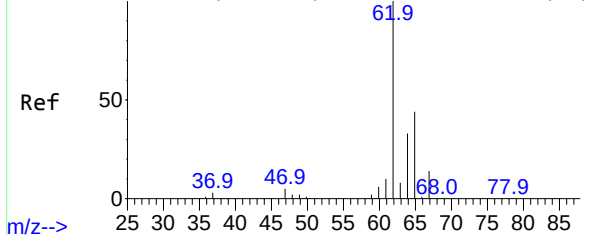


#3
Chloromethane
Concen: 2.580 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 50 Resp: 6137
Ion Ratio Lower Upper
50 100
52 29.7 23.2 43.0



Abundance Scan 82 (1.604 min): VU045327.D\data.ms (-74)



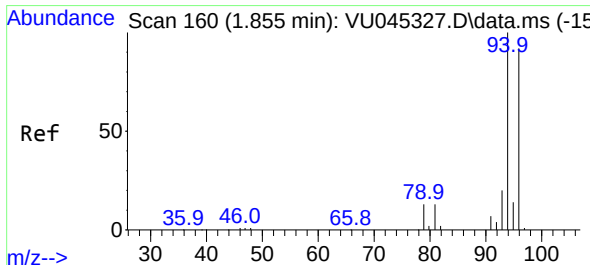
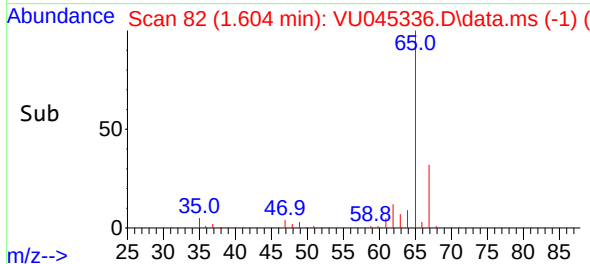
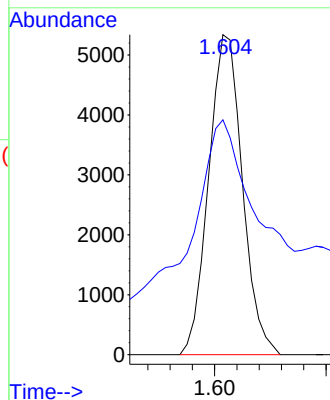
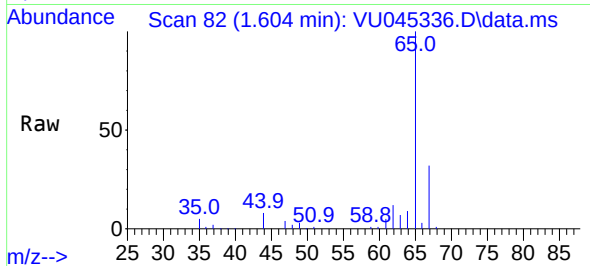
#5
Vinyl chloride
Concen: 2.131 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 62 Resp: 5605
Ion Ratio Lower Upper
62 100
64 73.4 23.9 44.3#

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ClientSampled :
MDL02

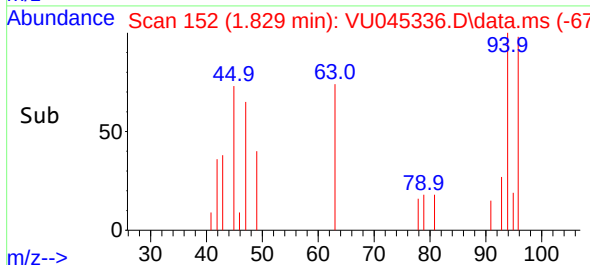
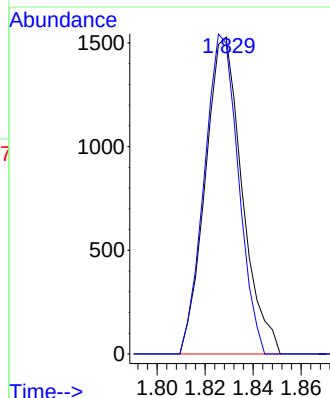
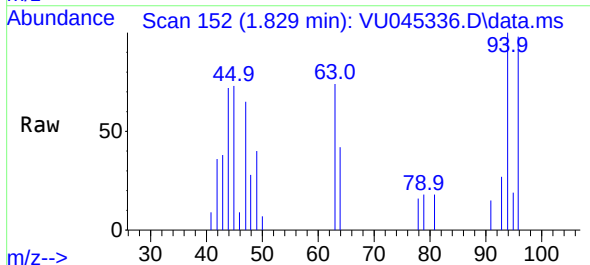
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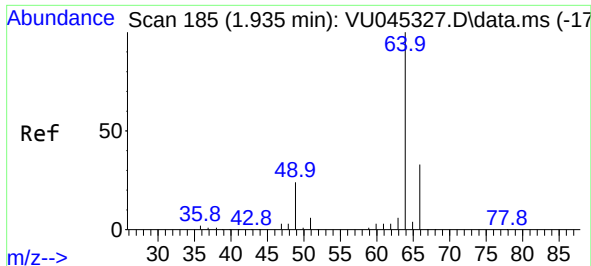
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#6
Bromomethane
Concen: 1.172 ug/L
RT: 1.829 min Scan# 152
Delta R.T. -0.026 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

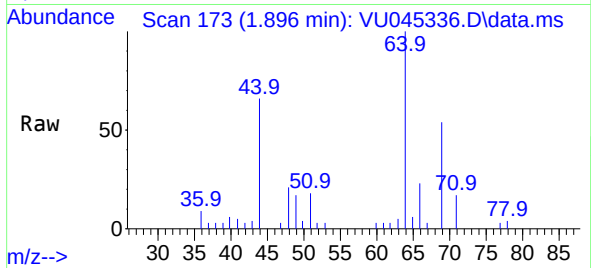
Tgt Ion: 94 Resp: 1632
Ion Ratio Lower Upper
94 100
96 98.2 64.1 119.1





#8
Chloroethane
Concen: 3.236 ug/L
RT: 1.896 min Scan# 173
Delta R.T. -0.039 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

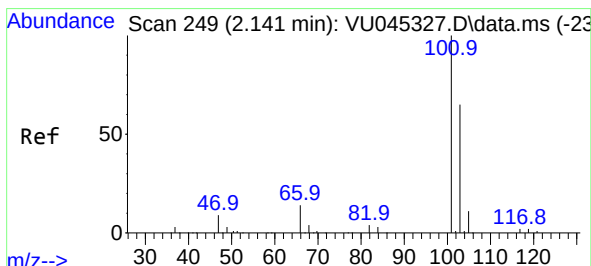
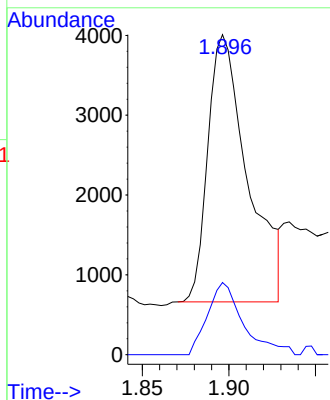
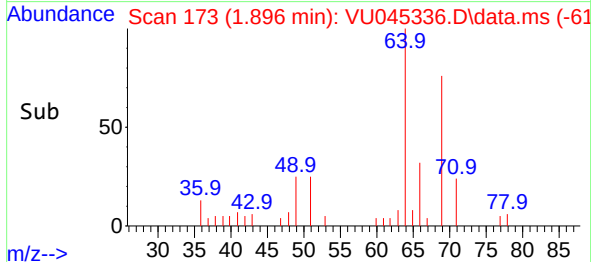
Instrument :
MSVOA_U
ClientSampled :
MDL02



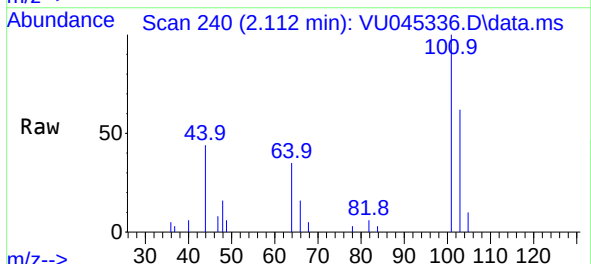
Tgt Ion: 64 Resp: 5347
Ion Ratio Lower Upper
64 100
66 22.5 22.5 41.9

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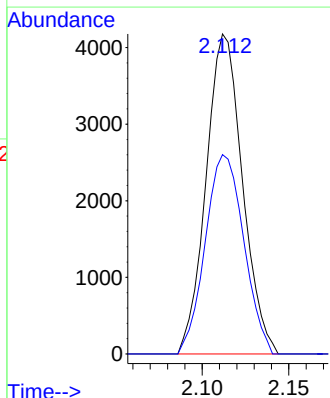
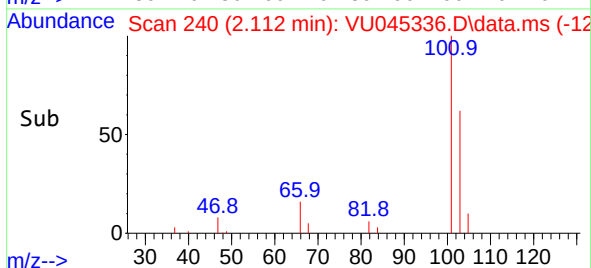
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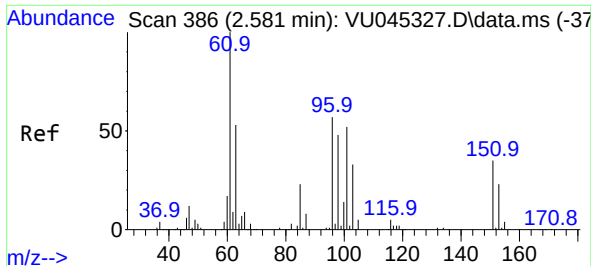


#9
Trichlorofluoromethane
Concen: 1.909 ug/L
RT: 2.112 min Scan# 240
Delta R.T. -0.029 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



Tgt Ion: 101 Resp: 6107
Ion Ratio Lower Upper
101 100
103 65.9 50.8 76.2





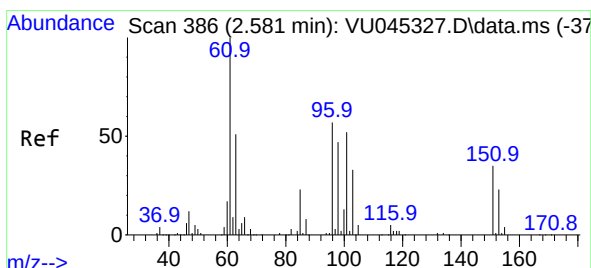
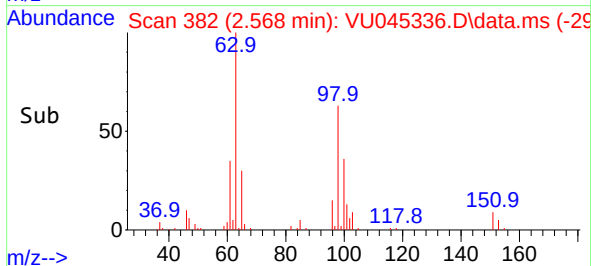
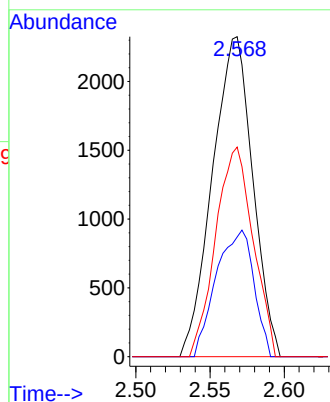
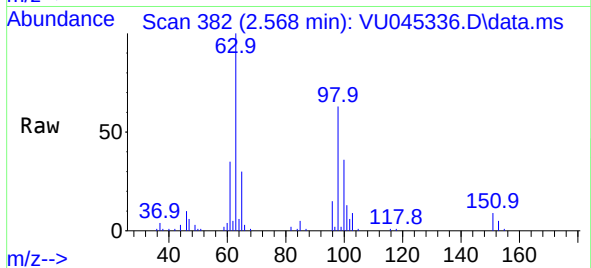
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.158 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU045336.D
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Tgt Ion:101 Resp: 4389
Ion Ratio Lower Upper
101 100
85 36.9 35.2 52.8
151 60.9 53.9 80.9

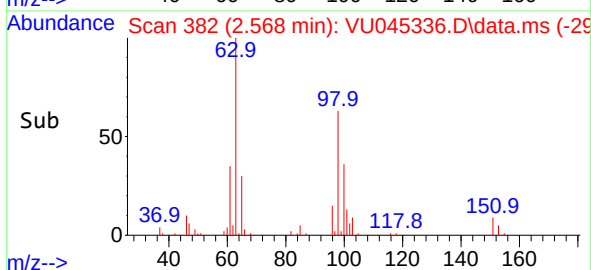
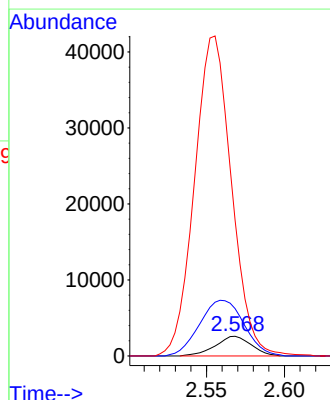
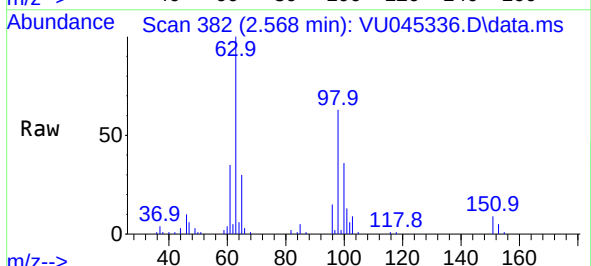
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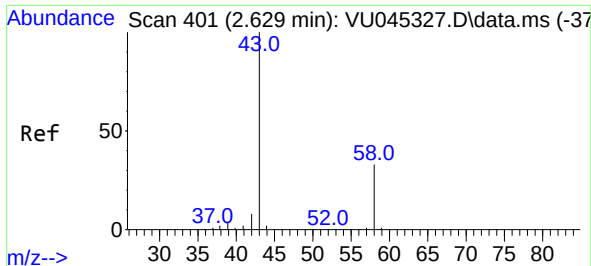
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#12
1,1-Dichloroethene
Concen: 2.222 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 96 Resp: 4166
Ion Ratio Lower Upper
96 100
61 239.7 122.9 228.3#
63 687.4 65.3 121.3#





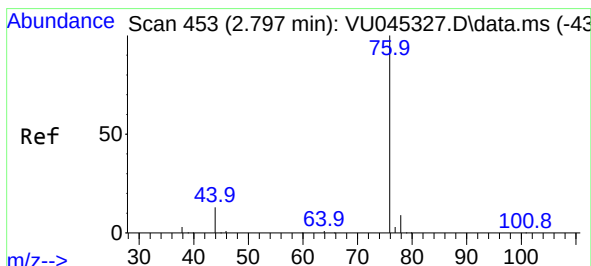
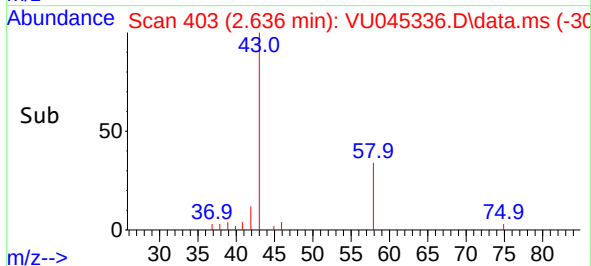
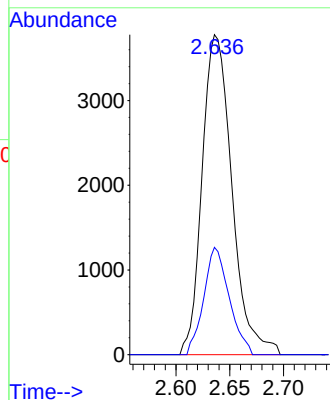
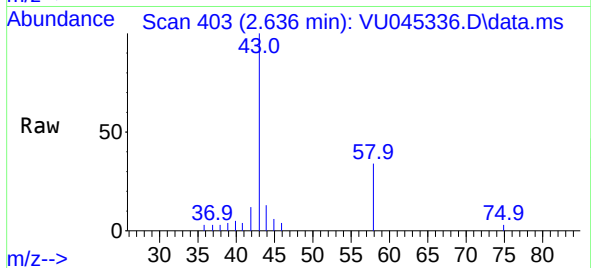
#13
Acetone
Concen: 3.339 ug/L
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

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Tgt Ion: 43 Resp: 7287
Ion Ratio Lower Upper
43 100
58 28.6 0.0 64.8

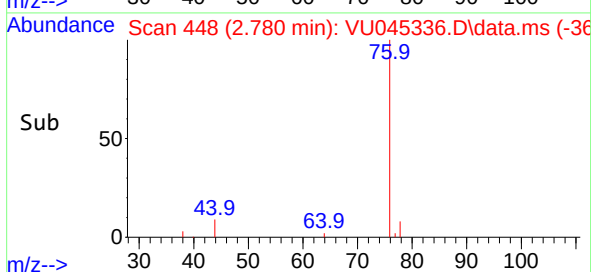
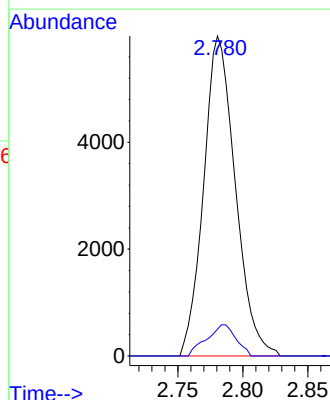
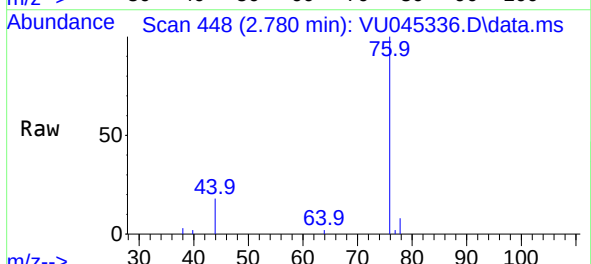
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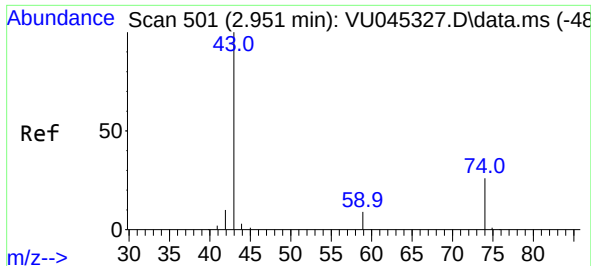
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#14
Carbon disulfide
Concen: 1.972 ug/L
RT: 2.780 min Scan# 448
Delta R.T. -0.016 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 76 Resp: 10160
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





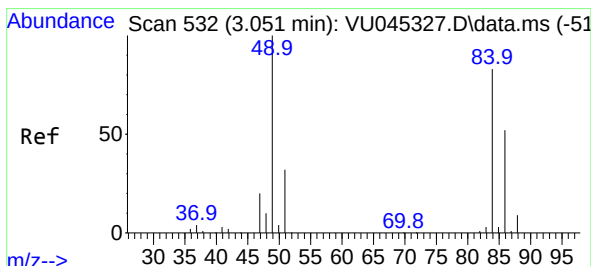
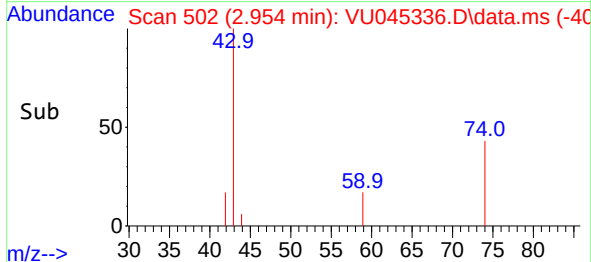
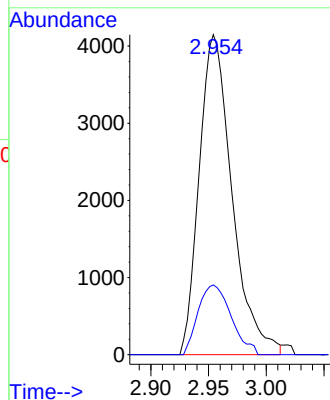
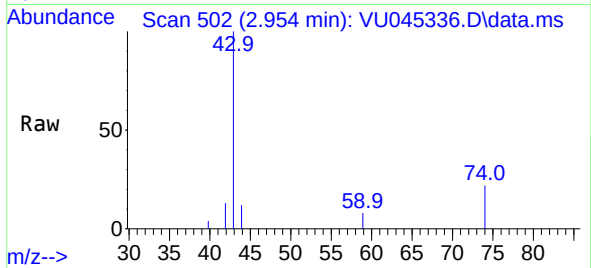
#15
Methyl Acetate
Concen: 3.028 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
74 21.3 20.5 30.7

Instrument :
MSVOA_U
ClientSampled :
MDL02

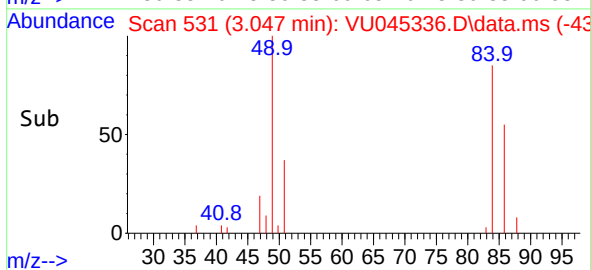
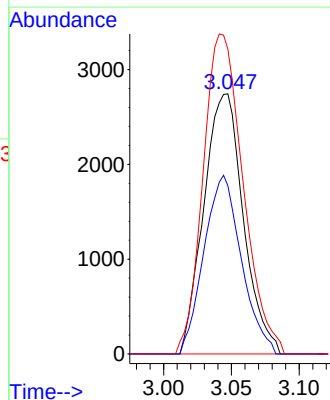
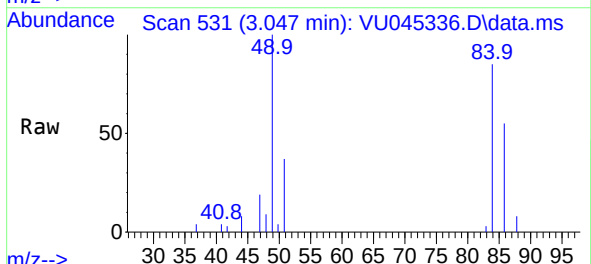
Manual Integrations
APPROVED

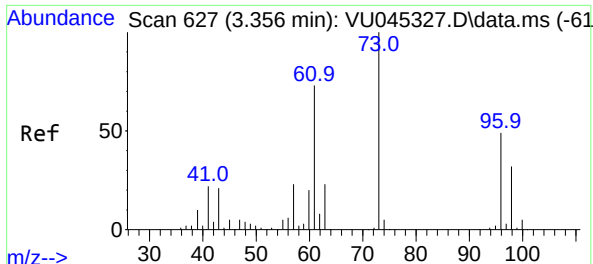
MMDadoda
10/20/2021 3:47:01 PM



#16
Methylene chloride
Concen: 2.310 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 84 Resp: 5578
Ion Ratio Lower Upper
84 100
86 64.7 44.1 81.9
49 117.2 84.2 156.4





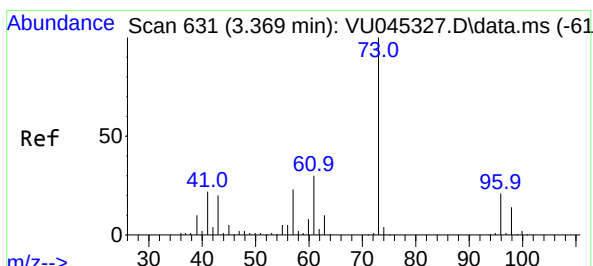
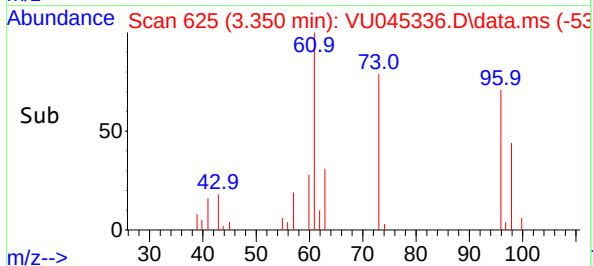
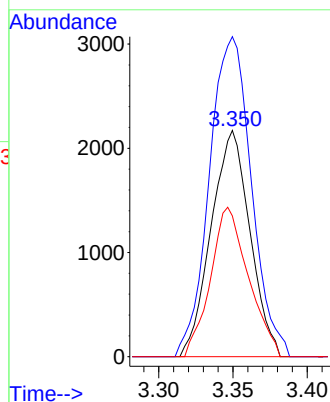
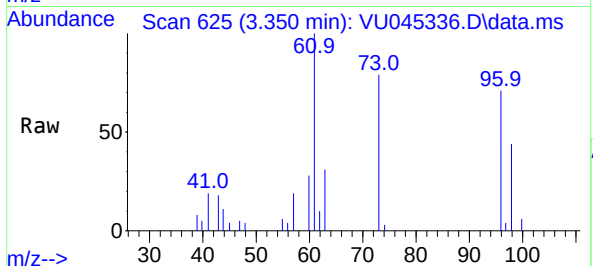
#17
trans-1,2-Dichloroethene
Concen: 1.965 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.007 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 96 Resp: 3952
Ion Ratio Lower Upper
96 100
61 141.5 104.7 194.4
98 62.3 45.8 85.2

Instrument :
MSVOA_U
ClientSampleId :
MDL02

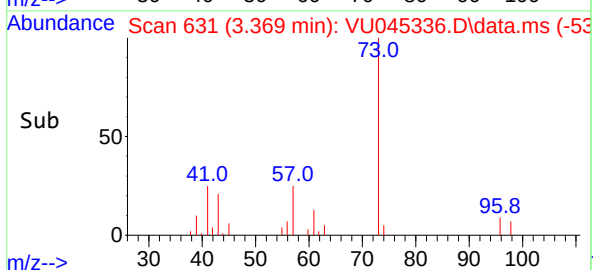
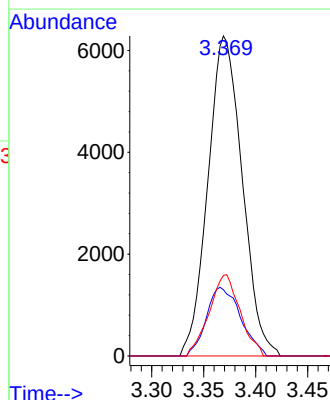
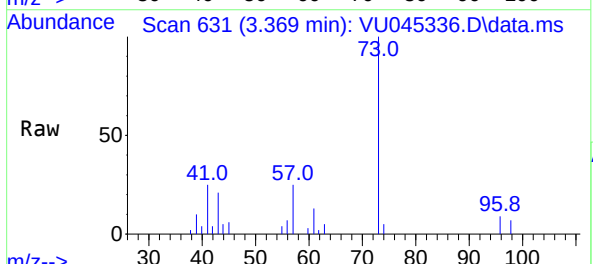
Manual Integrations
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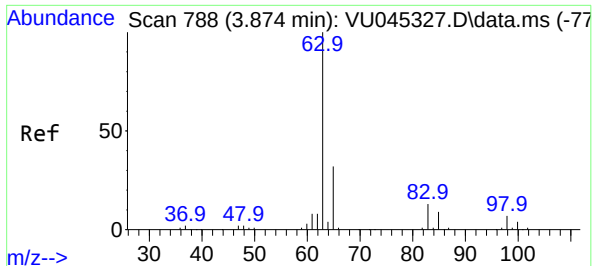
MMDadoda
10/20/2021 3:47:01 PM



#18
Methyl tert-butyl Ether
Concen: 2.055 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 73 Resp: 14414
Ion Ratio Lower Upper
73 100
43 21.4 16.2 24.4
57 22.9 17.9 26.9





#19

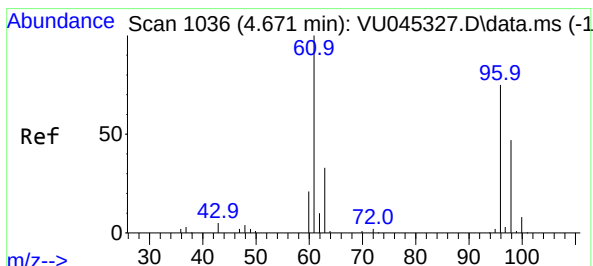
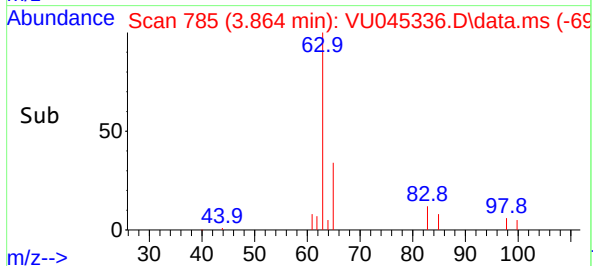
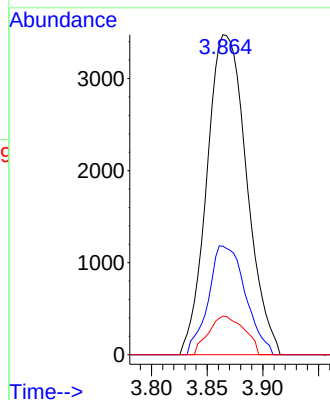
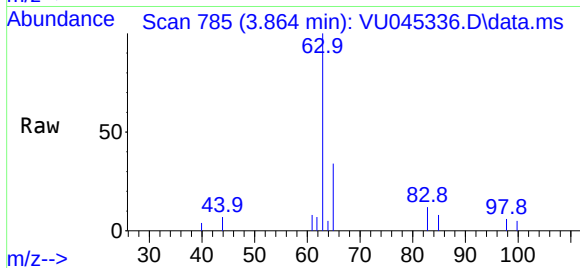
1,1-Dichloroethane
Concen: 2.097 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.010 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:	63	Resp:	8631
Ion Ratio	Lower	Upper	
63	100		
65	33.9	22.5	41.9
83	12.1	8.9	16.5

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

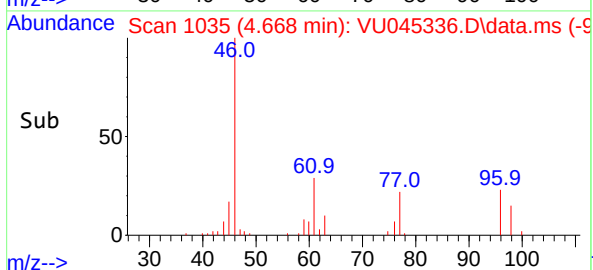
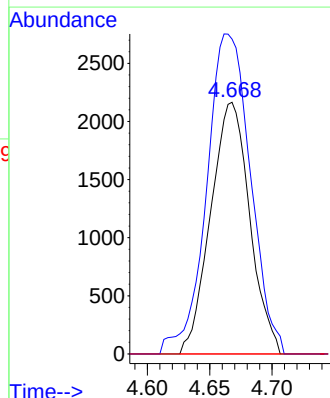
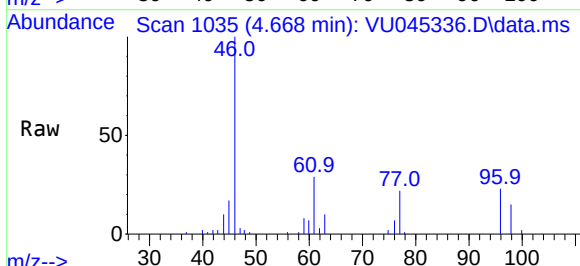
MMDadoda
10/20/2021 3:47:01 PM

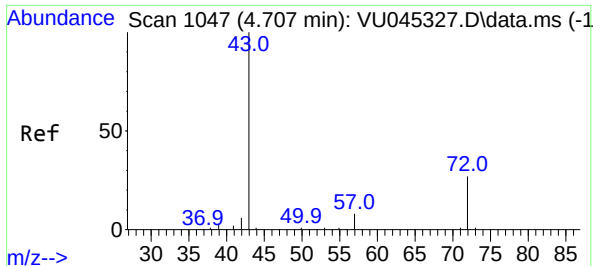


#20

cis-1,2-Dichloroethene
Concen: 2.052 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:	96	Resp:	4728
Ion Ratio	Lower	Upper	
96	100		
61	125.1	94.2	175.0
68	0.0	0.0	0.0





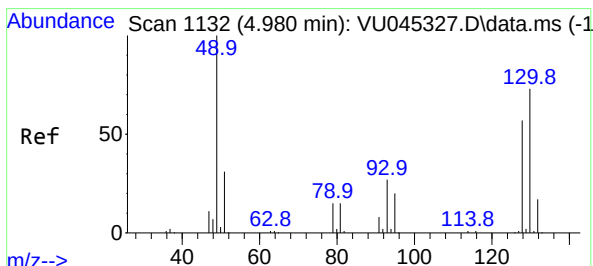
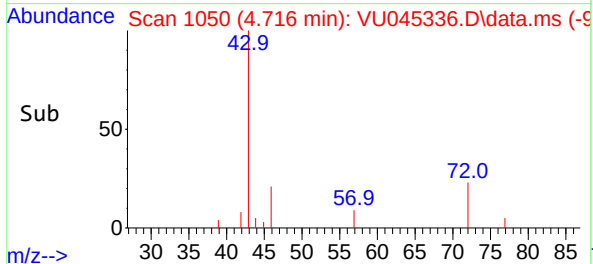
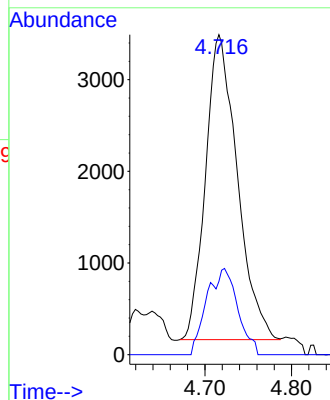
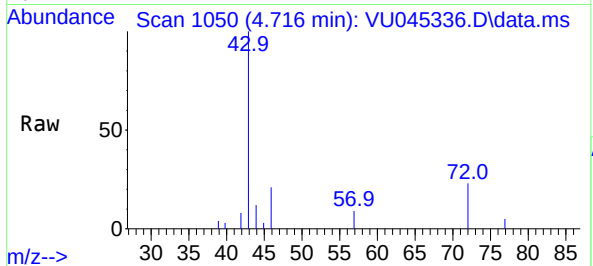
#22
2-Butanone
Concen: 3.518 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 43 Resp: 8468
Ion Ratio Lower Upper
43 100
72 17.2 14.1 42.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

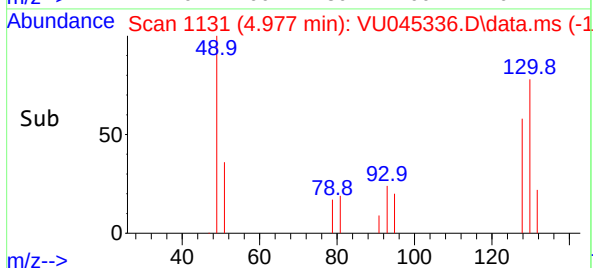
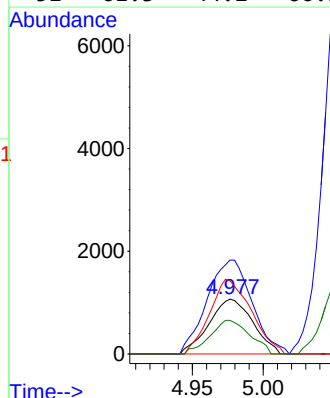
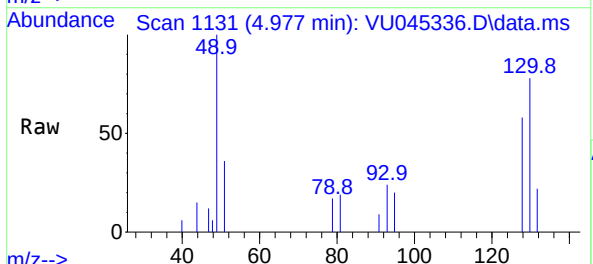
Manual Integrations
APPROVED

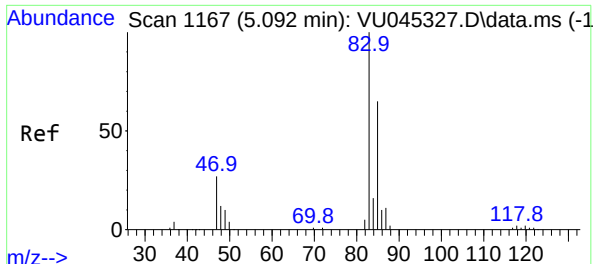
MMDadoda
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#23
Bromochloromethane
Concen: 2.024 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 128 Resp: 2297
Ion Ratio Lower Upper
128 100
49 171.2 123.8 229.8
130 133.6 89.8 166.8
51 61.3 44.2 66.2





#25

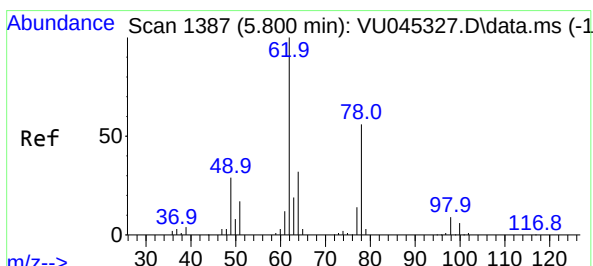
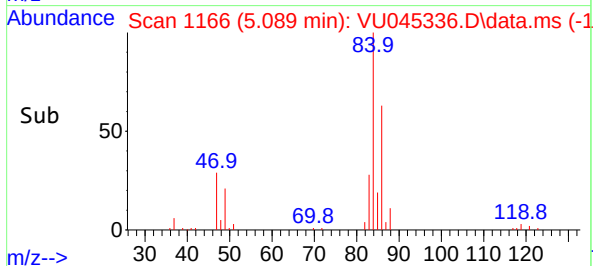
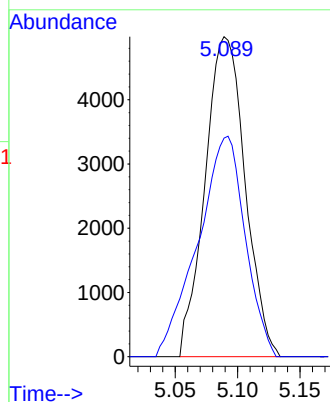
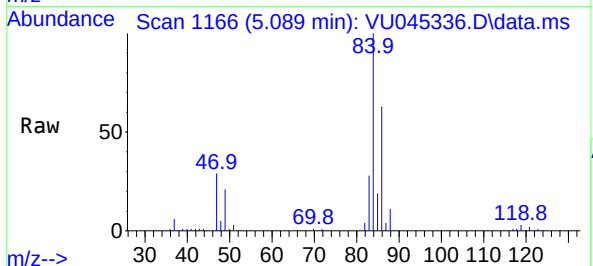
Chloroform
Concen: 2.666 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion: 83 Resp: 11167
Ion Ratio Lower Upper
83 100
85 68.3 45.4 84.2

Manual Integrations
APPROVED

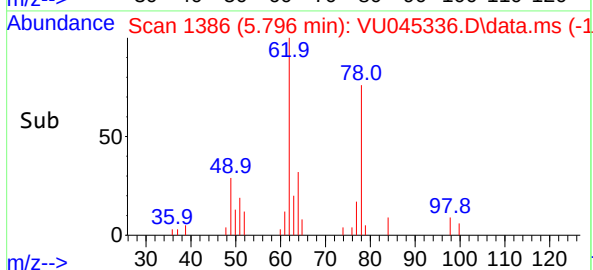
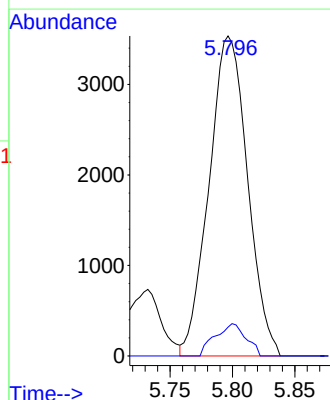
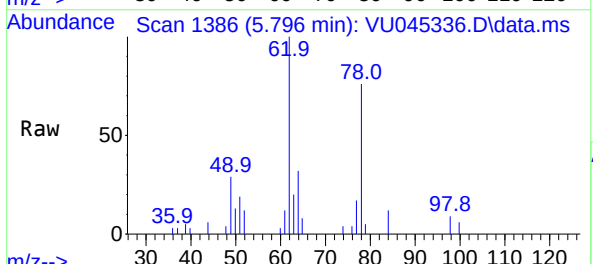
MMDadoda
10/20/2021 3:47:01 PM

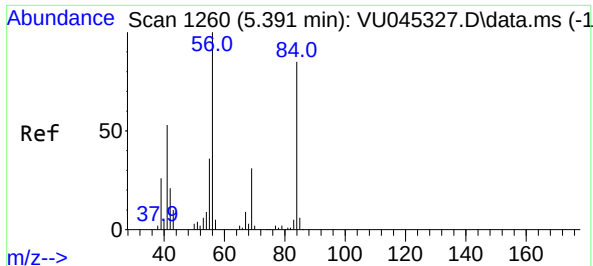


#27

1,2-Dichloroethane
Concen: 2.267 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 62 Resp: 7584
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.2





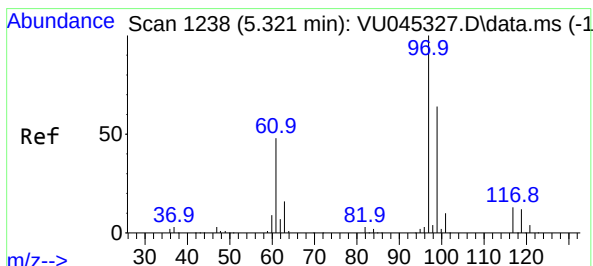
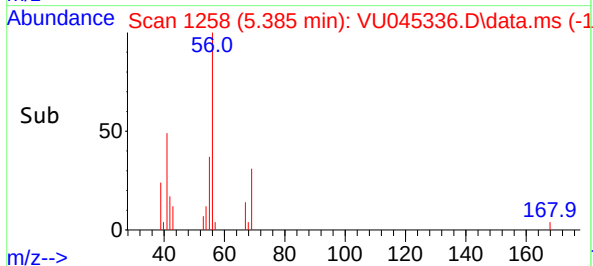
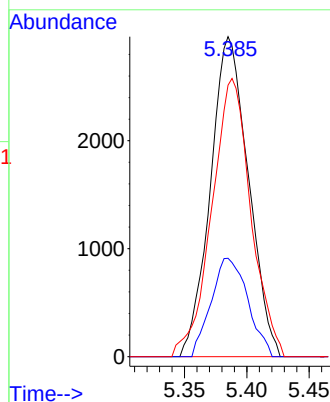
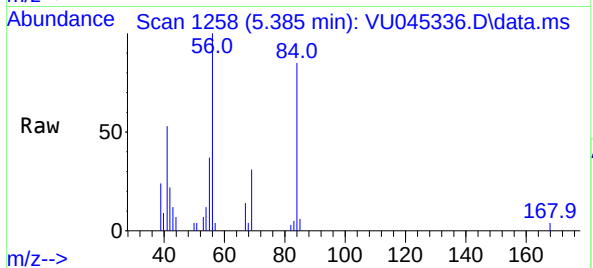
#29
Cyclohexane
Concen: 1.807 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.007 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:	56	Resp:	6278
Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.8	37.2
84	89.4	70.3	105.5

Instrument :
MSVOA_U
ClientSampleId :
MDL02

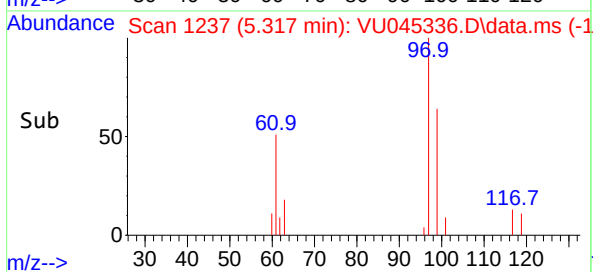
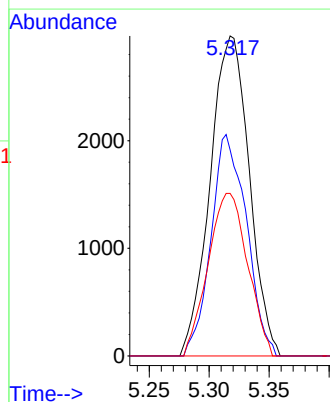
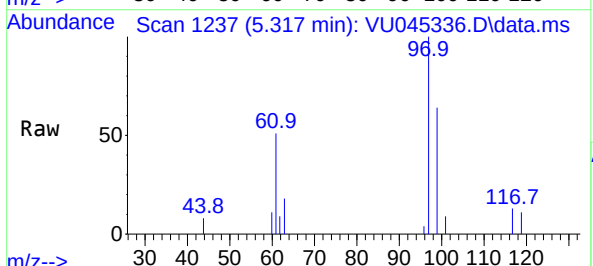
Manual Integrations
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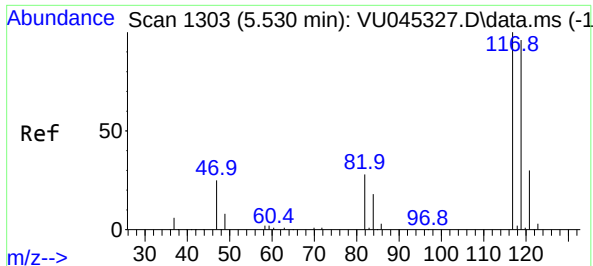
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.955 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:	97	Resp:	6752
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	51.3	39.2	58.8





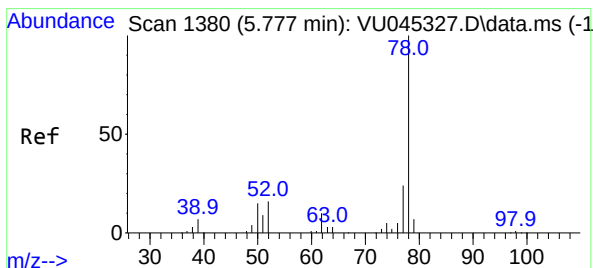
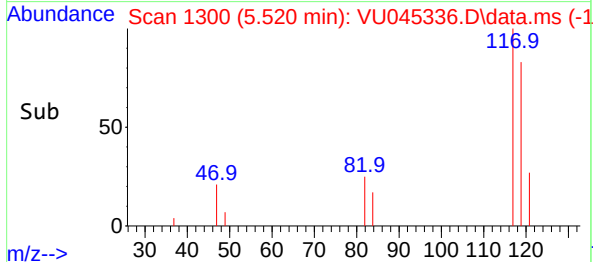
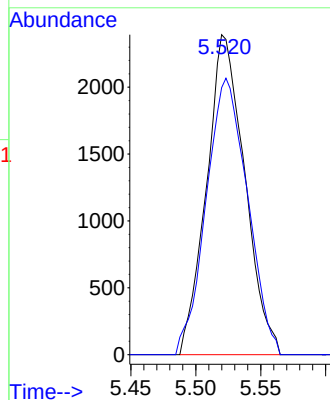
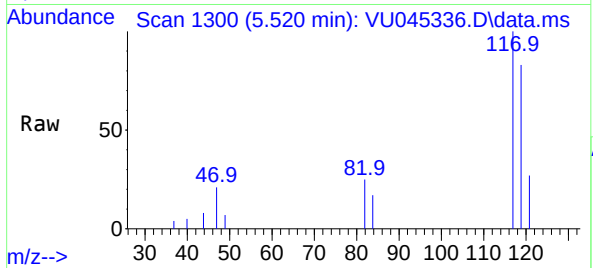
#31
Carbon tetrachloride
Concen: 1.831 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.010 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 117 Resp: 4881
Ion Ratio Lower Upper
117 100
119 93.5 76.7 115.1

Instrument :
MSVOA_U
ClientSampled :
MDL02

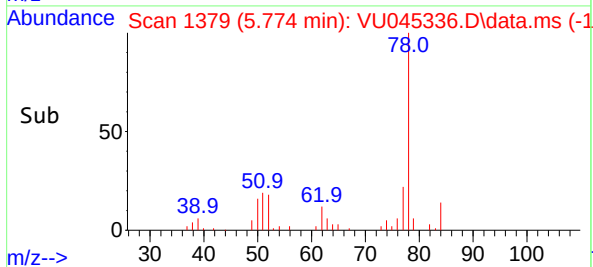
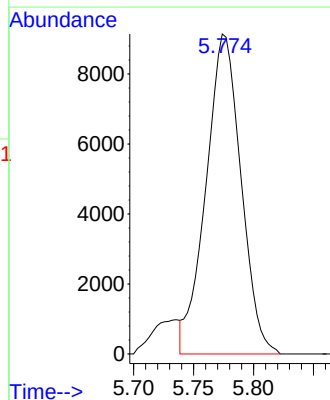
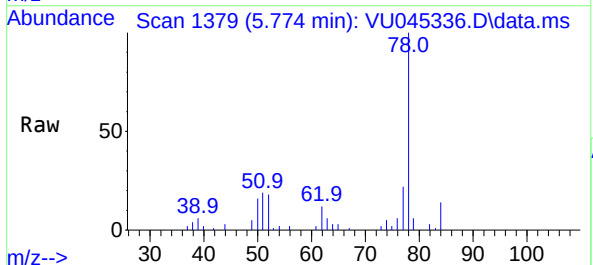
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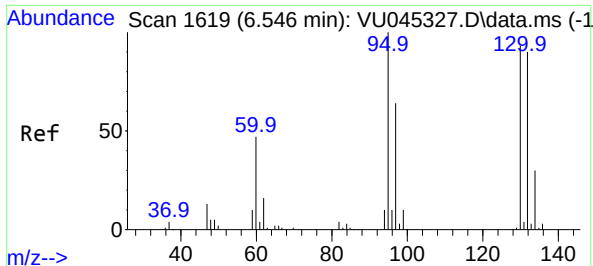
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#33
Benzene
Concen: 2.035 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 78 Resp: 18545





#34

Trichloroethene

Concen: 1.978 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU045336.D

Acq: 19 Oct 2021 17:55

Tgt Ion: 95 Resp: 4444

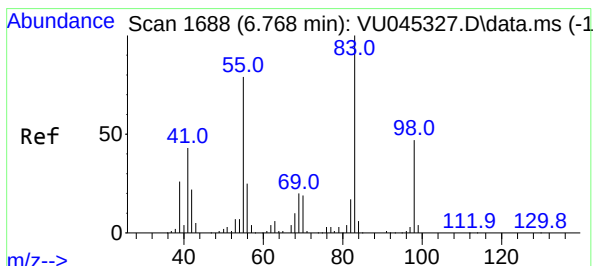
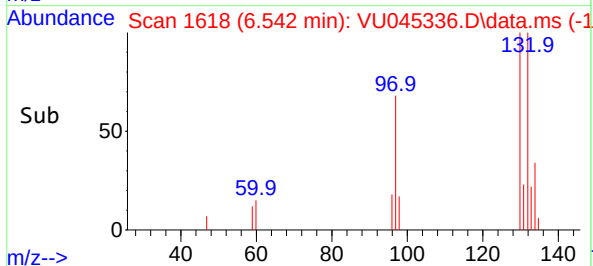
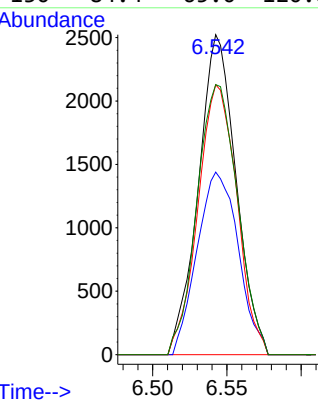
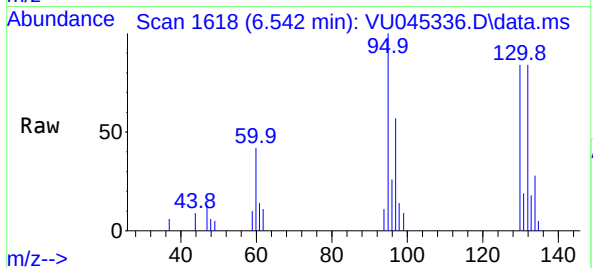
Ion Ratio Lower Upper

95 100

97 57.0 44.9 83.3

132 84.3 63.0 117.0

130 84.4 65.0 120.8



#35

Methylcyclohexane

Concen: 1.789 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU045336.D

Acq: 19 Oct 2021 17:55

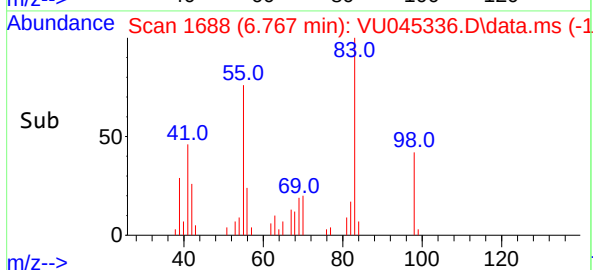
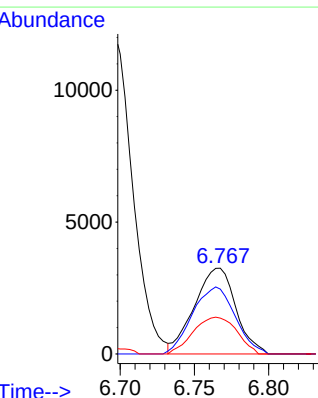
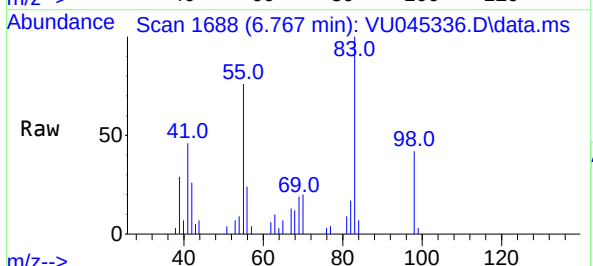
Tgt Ion: 83 Resp: 6312

Ion Ratio Lower Upper

83 100

55 80.5 63.4 95.0

98 45.0 37.9 56.9



Instrument :

MSVOA_U

ClientSampled :

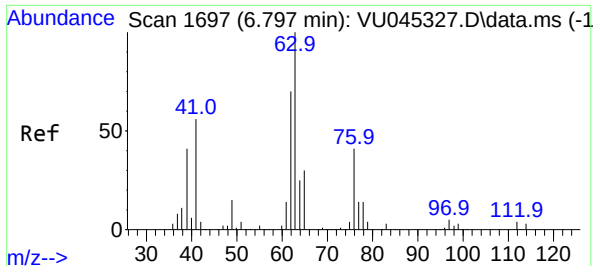
MDL02

Manual Integrations

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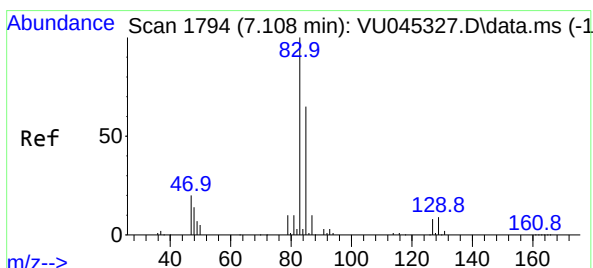
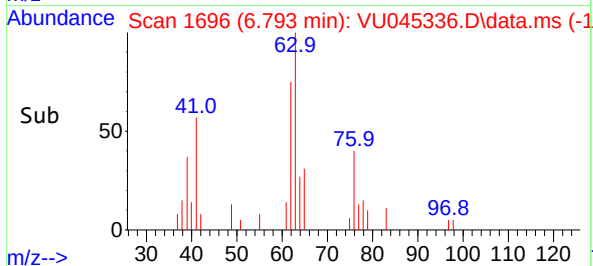
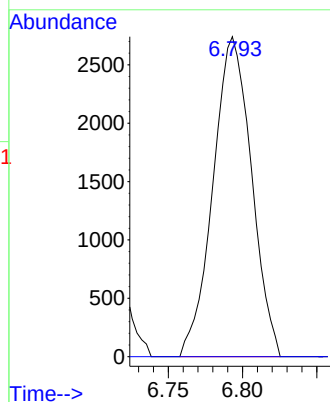
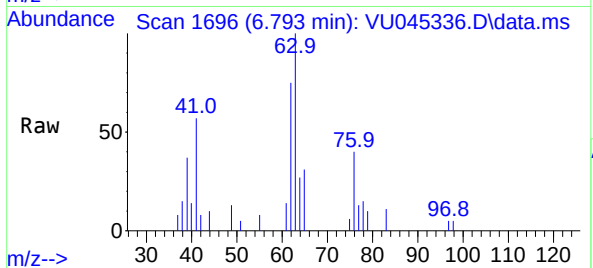
#37
1,2-Dichloropropane
Concen: 1.994 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion: 63 Resp: 4942
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

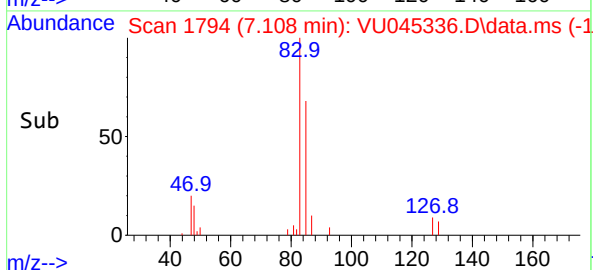
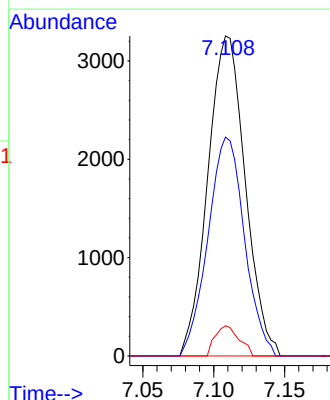
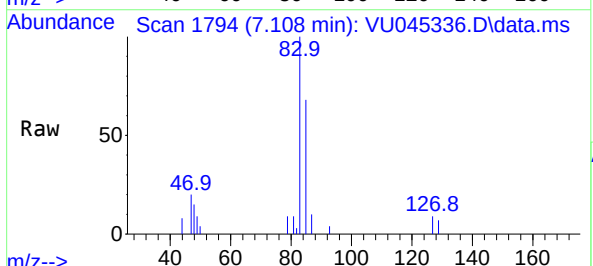
Manual Integrations
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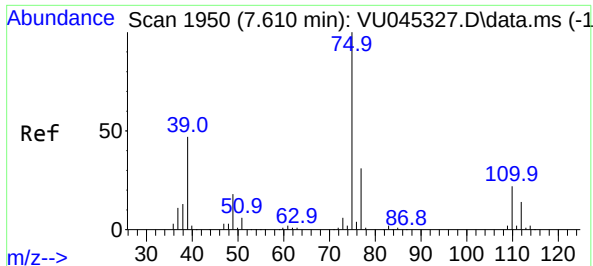
MMDadoda
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#38
Bromodichloromethane
Concen: 1.866 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 83 Resp: 5982
Ion Ratio Lower Upper
83 100
85 68.4 45.5 84.5
127 9.5 6.3 9.5





#39

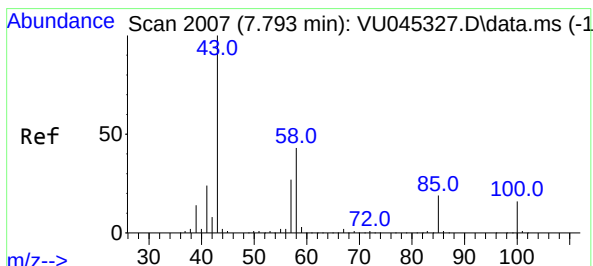
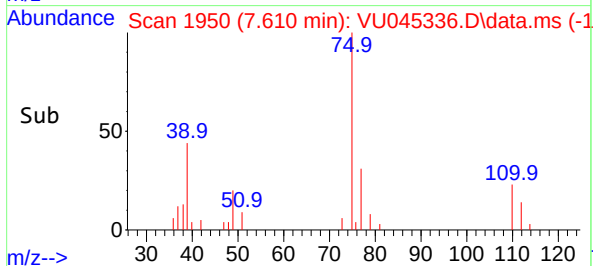
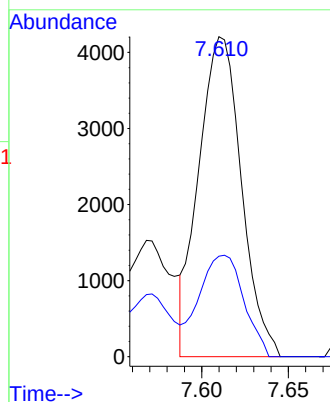
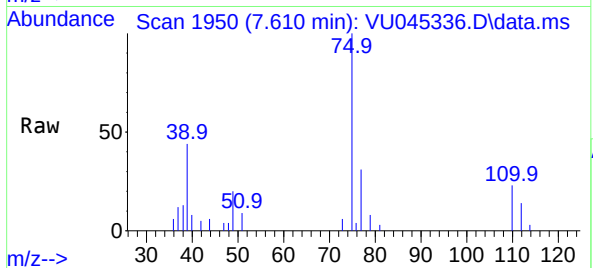
cis-1,3-Dichloropropene
Concen: 1.942 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 75 Resp: 7206
Ion Ratio Lower Upper
75 100
77 30.3 21.6 40.0

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

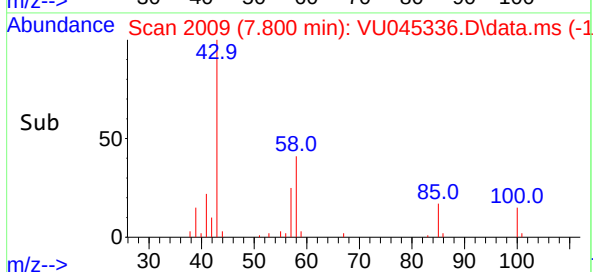
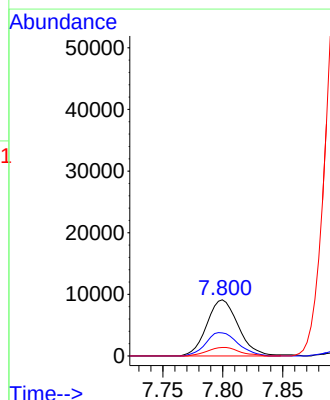
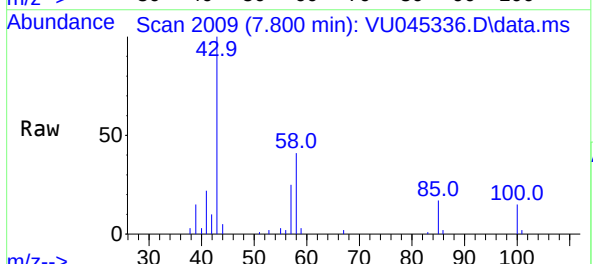
MMDadoda
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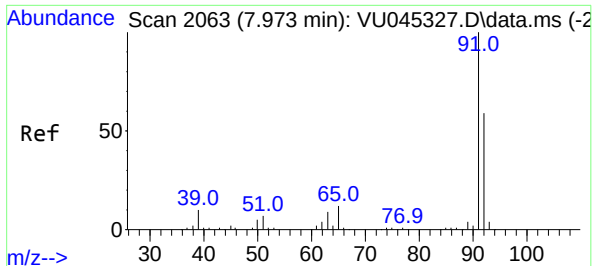


#40

4-Methyl-2-pentanone
Concen: 4.415 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 43 Resp: 16686
Ion Ratio Lower Upper
43 100
58 42.3 33.7 50.5
100 15.4 13.0 19.4





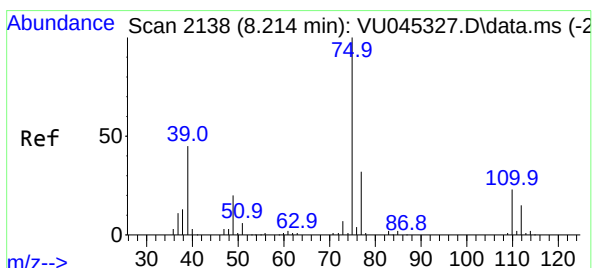
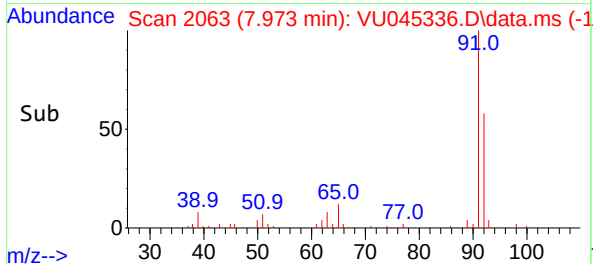
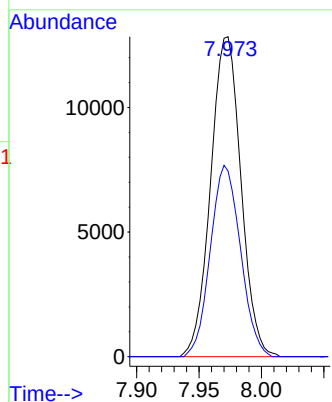
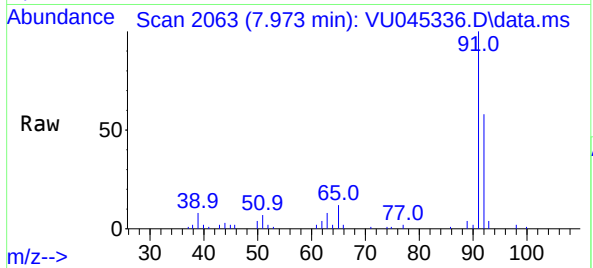
#42
Toluene
Concen: 2.292 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion: 91 Resp: 21782
Ion Ratio Lower Upper
91 100
92 58.0 41.2 76.6

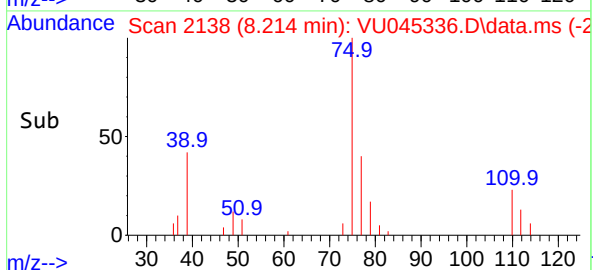
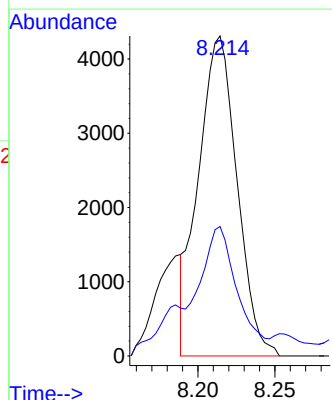
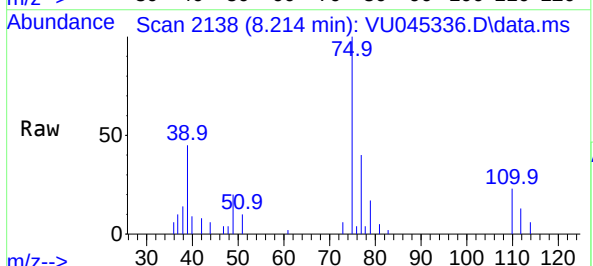
Manual Integrations
APPROVED

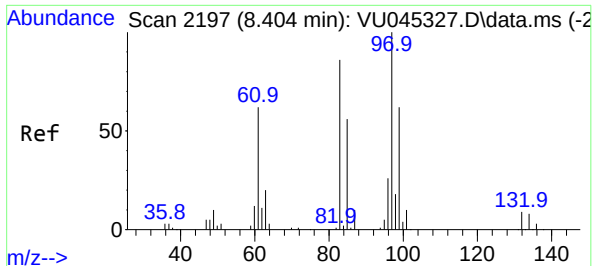
MMDadoda
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#44
trans-1,3-Dichloropropene
Concen: 2.118 ug/L m
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 75 Resp: 7514
Ion Ratio Lower Upper
75 100
77 40.5 22.5 41.9

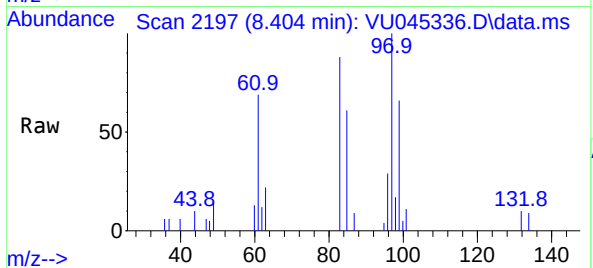




#45

1,1,2-Trichloroethane
Concen: 2.168 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

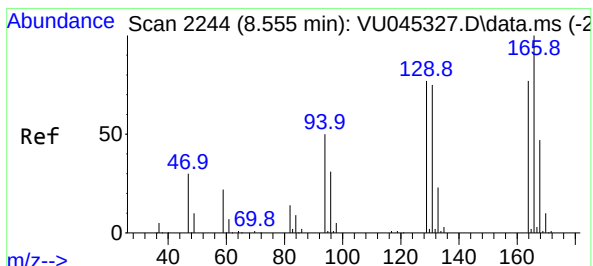
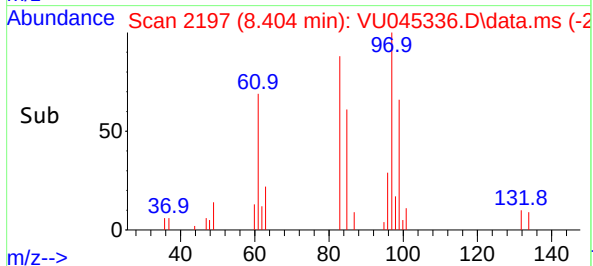
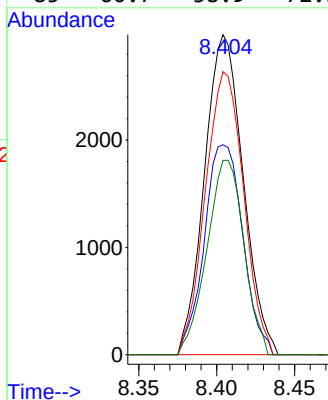
Instrument :
MSVOA_U
ClientSampled :
MDL02



Tgt Ion:	97	Resp:	5150
Ion	Ratio	Lower	Upper
97	100		
99	65.6	43.0	80.0
83	88.5	60.1	111.5
85	60.7	38.9	72.3

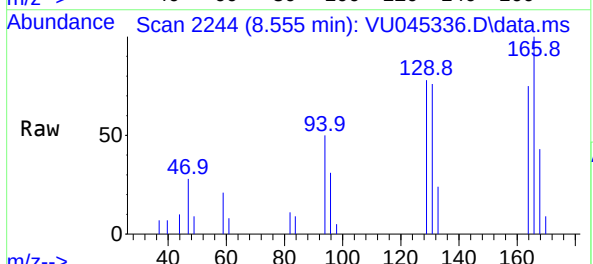
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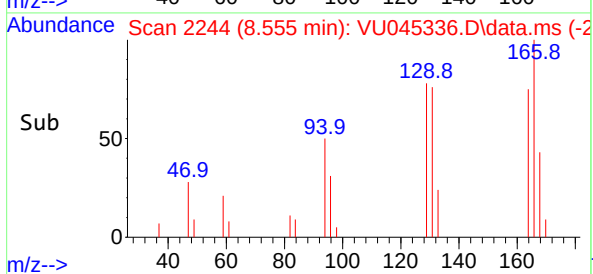
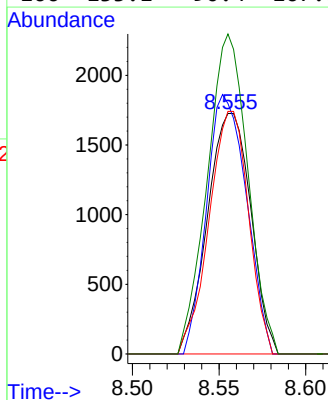


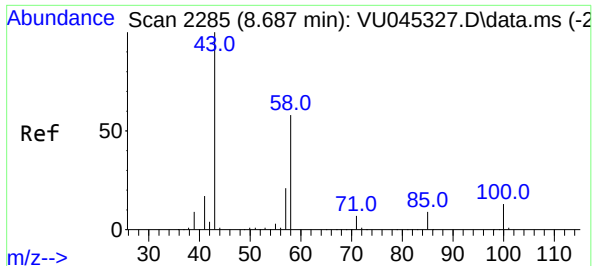
#46

Tetrachloroethene
Concen: 1.928 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



Tgt Ion:	164	Resp:	3000
Ion	Ratio	Lower	Upper
164	100		
129	104.1	69.6	129.2
131	100.9	67.5	125.4
166	133.1	90.4	167.8





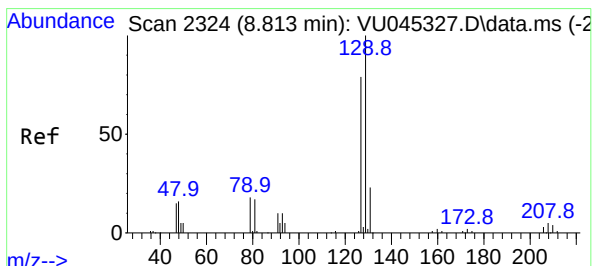
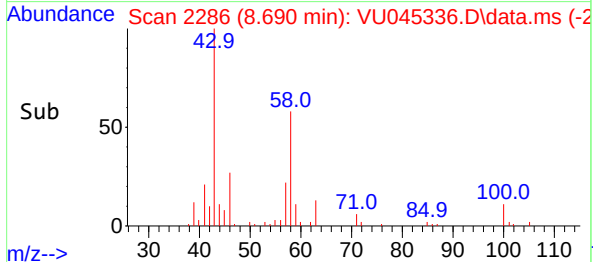
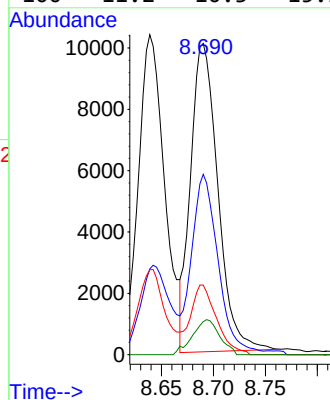
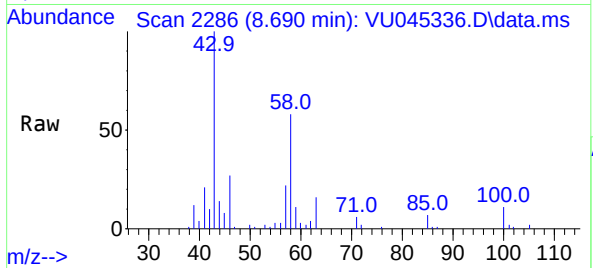
#48
2-Hexanone
Concen: 5.762 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 43 Resp: 18382
Ion Ratio Lower Upper
43 100
58 54.7 45.4 68.0
57 20.8 16.0 24.0
100 11.2 10.3 15.5

Instrument :
MSVOA_U
ClientSampled :
MDL02

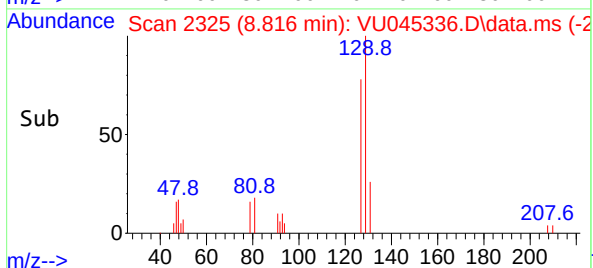
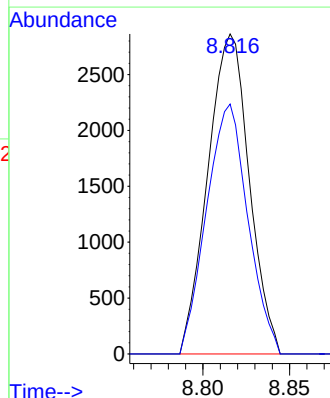
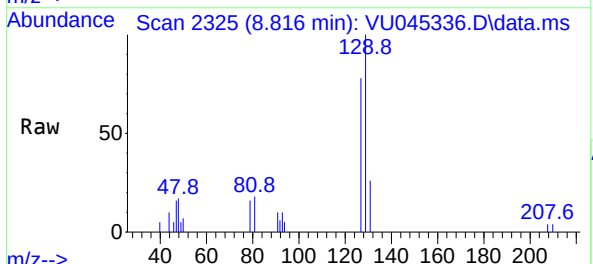
Manual Integrations
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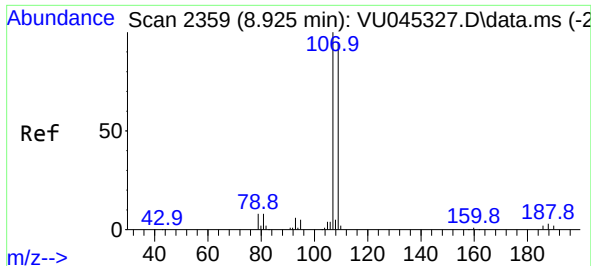
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#49
Dibromochloromethane
Concen: 2.059 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

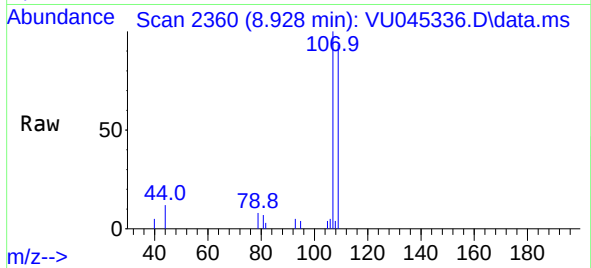
Tgt Ion: 129 Resp: 4764
Ion Ratio Lower Upper
129 100
127 78.1 55.3 102.7





#50
1,2-Dibromoethane
Concen: 2.043 ug/L
RT: 8.928 min Scan# 2360
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

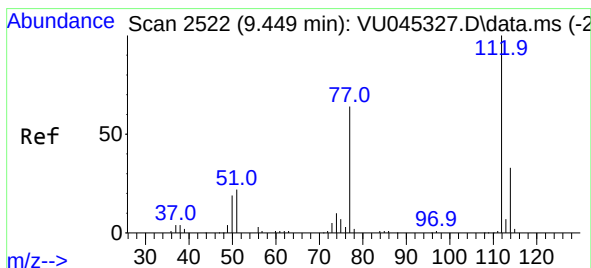
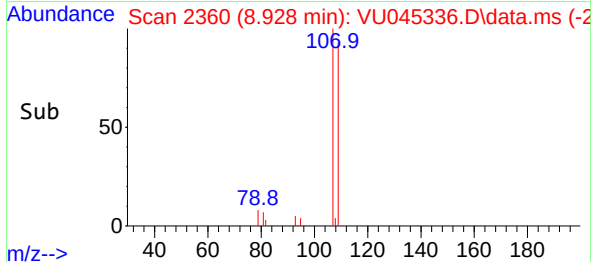
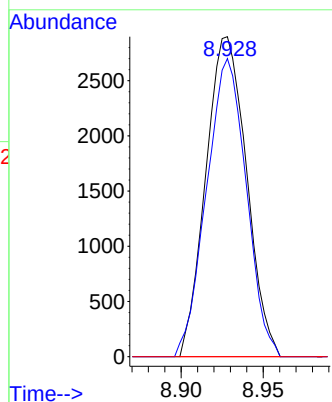
Instrument :
MSVOA_U
ClientSampled :
MDL02



Tgt Ion:107 Resp: 4995
Ion Ratio Lower Upper
107 100
109 93.2 66.6 123.6
188 0.0 2.6 4.0#

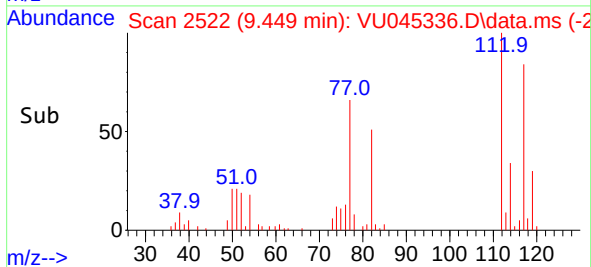
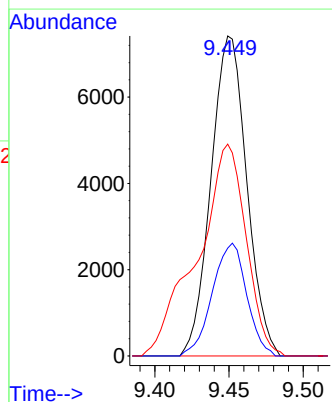
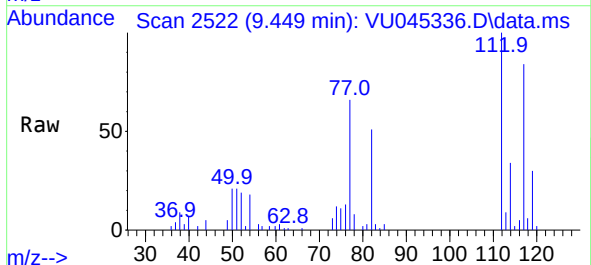
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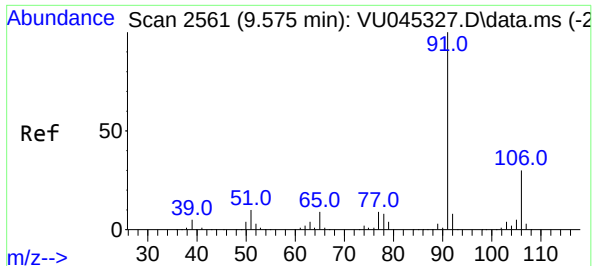
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#51
Chlorobenzene
Concen: 2.063 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:112 Resp: 12419
Ion Ratio Lower Upper
112 100
114 33.7 22.8 42.4
77 66.2 51.3 76.9





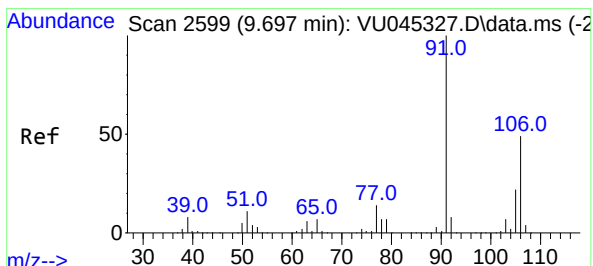
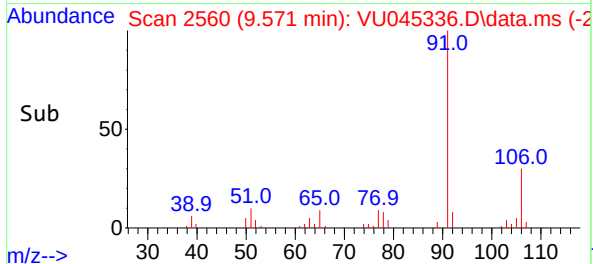
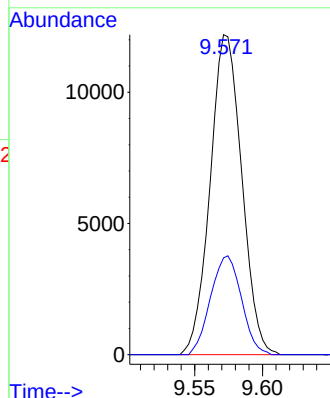
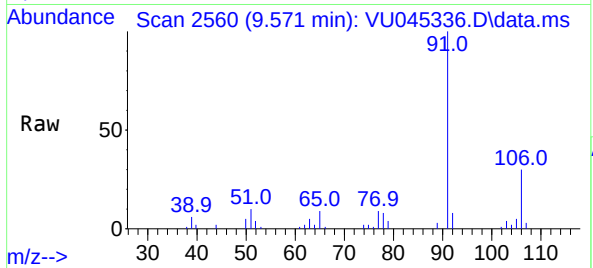
#52
Ethylbenzene
Concen: 1.916 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 91 Resp: 19760
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.3

Instrument :
MSVOA_U
ClientSampled :
MDL02

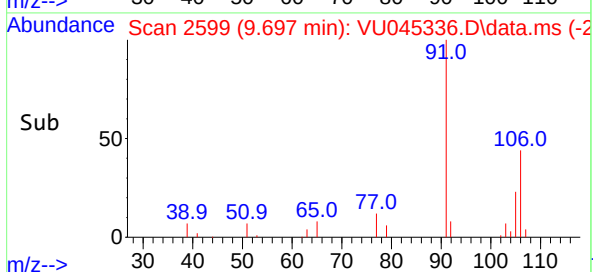
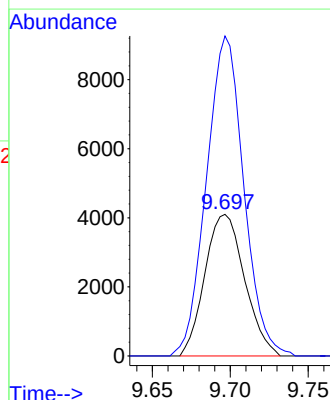
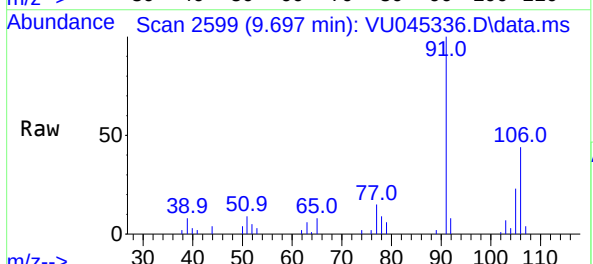
Manual Integrations
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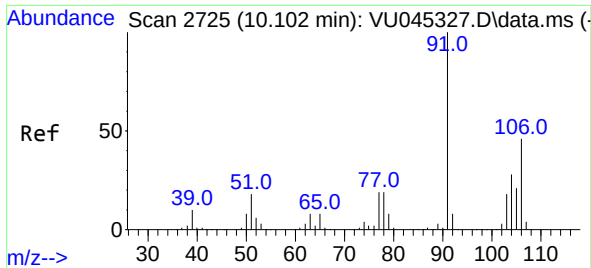
MMDadoda
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#53
m,p-Xylene
Concen: 1.857 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 106 Resp: 7278
Ion Ratio Lower Upper
106 100
91 225.9 144.4 268.2





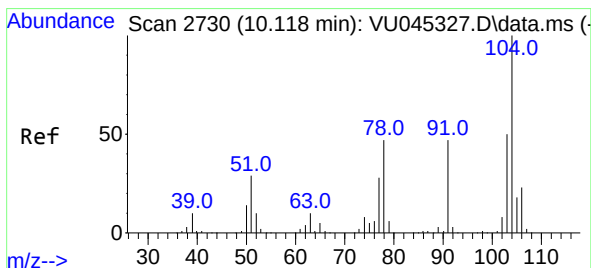
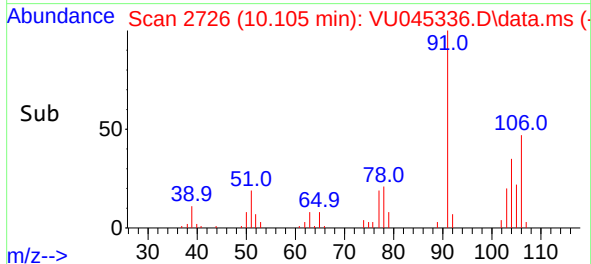
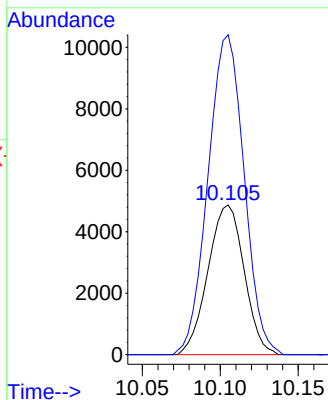
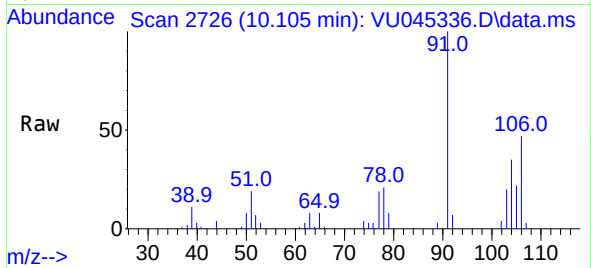
#54
o-xylene
Concen: 2.000 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion:106 Resp: 7865
Ion Ratio Lower Upper
106 100
91 213.6 151.1 280.5

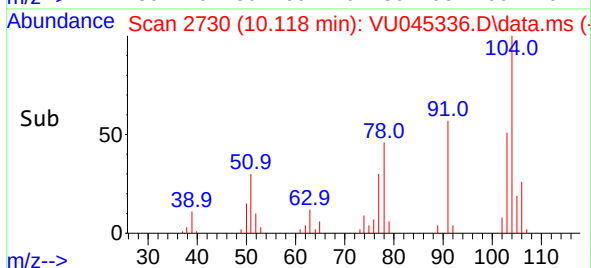
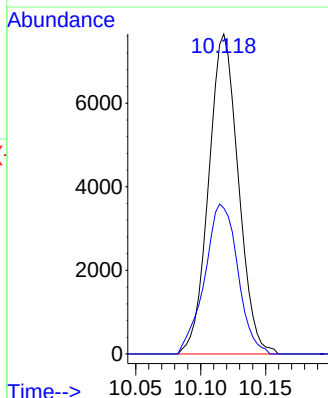
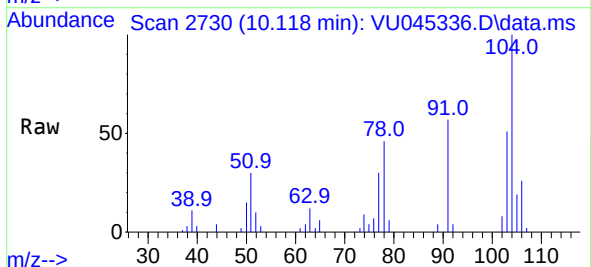
Manual Integrations
APPROVED

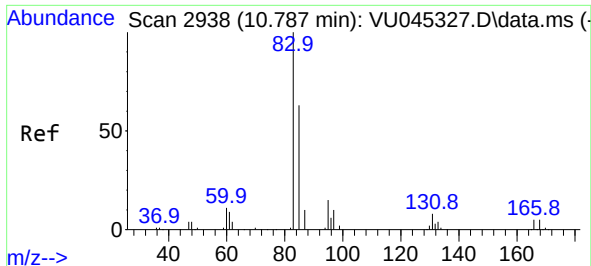
MMDadoda
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#55
Styrene
Concen: 1.829 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

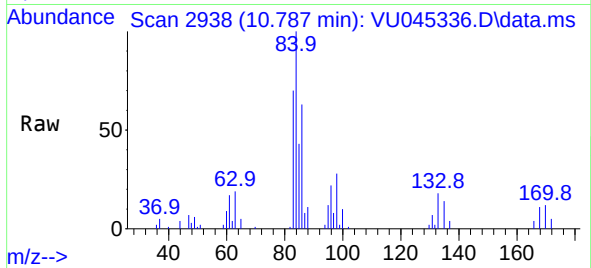
Tgt Ion:104 Resp: 12170
Ion Ratio Lower Upper
104 100
78 45.6 32.7 60.7





#57
1,1,2,2-Tetrachloroethane
Concen: 2.586 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

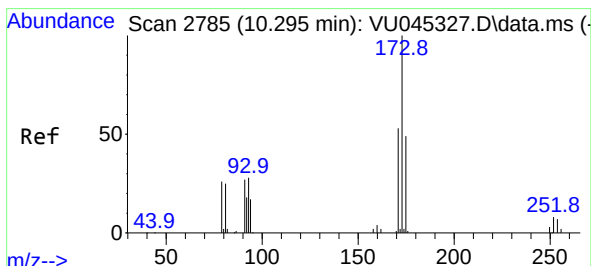
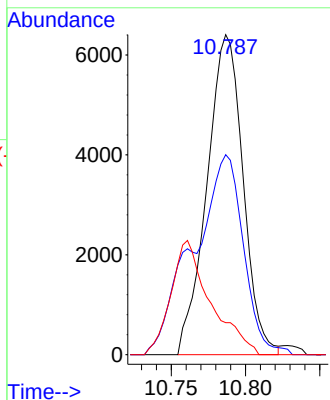
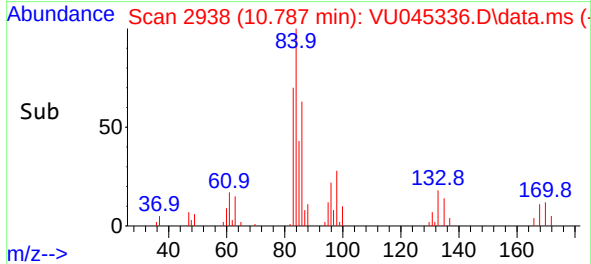
Instrument :
MSVOA_U
ClientSampled :
MDL02



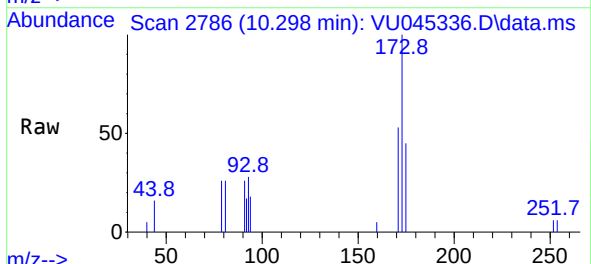
Tgt Ion: 83 Resp: 10849
Ion Ratio Lower Upper
83 100
85 62.5 44.4 82.5
131 13.3 6.8 10.2#

Manual Integrations
APPROVED

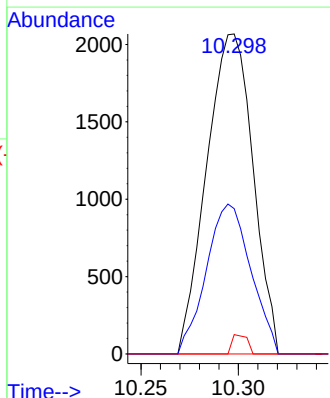
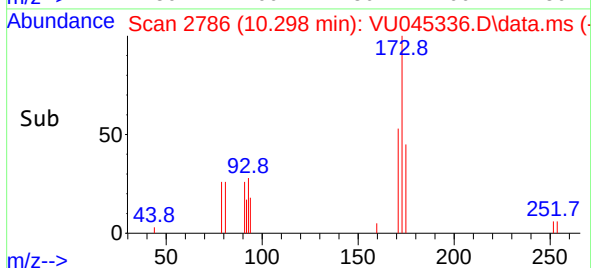
MMDadoda
10/20/2021 3:47:01 PM

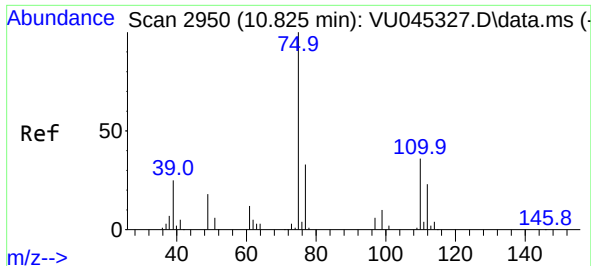


#59
Bromoform
Concen: 2.315 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



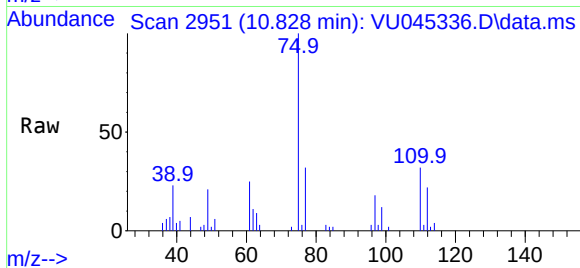
Tgt Ion:173 Resp: 3423
Ion Ratio Lower Upper
173 100
175 44.9 39.3 58.9
254 2.0 5.8 8.6#





#60
1,2,3-Trichloropropane
Concen: 2.779 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

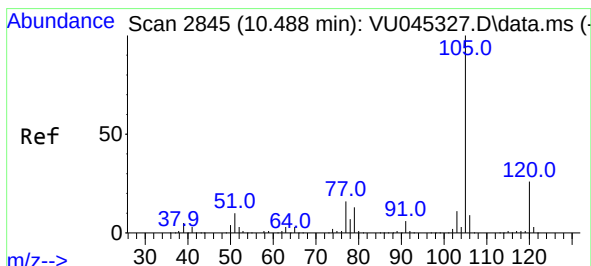
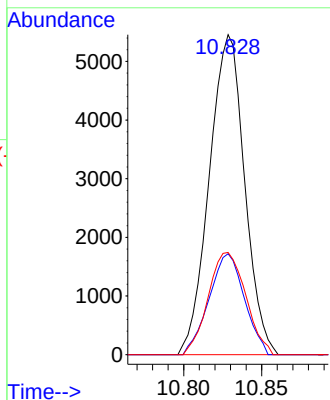
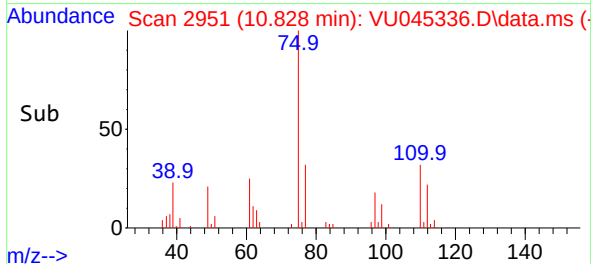
Instrument :
MSVOA_U
ClientSampled :
MDL02



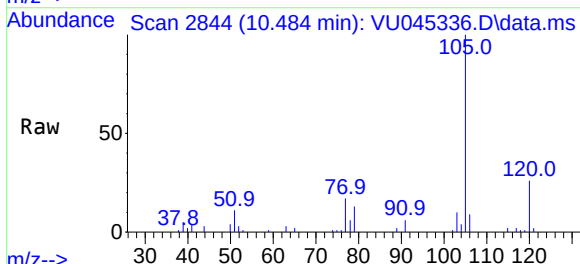
Tgt Ion: 75 Resp: 8608
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0
110 33.9 28.8 43.2

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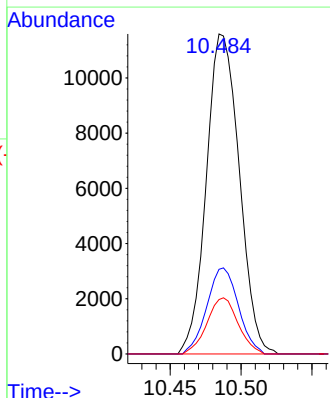
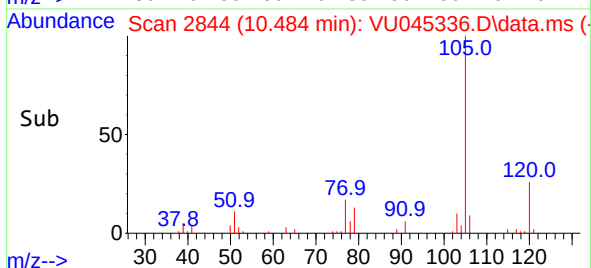
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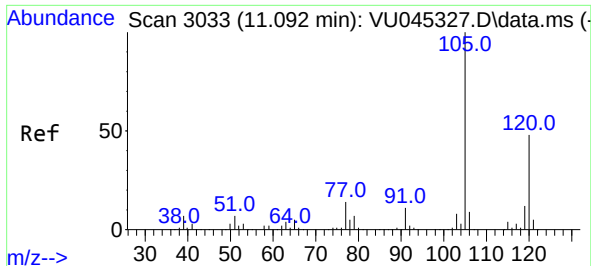


#61
Isopropylbenzene
Concen: 2.033 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



Tgt Ion: 105 Resp: 18727
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.6 13.2 19.8





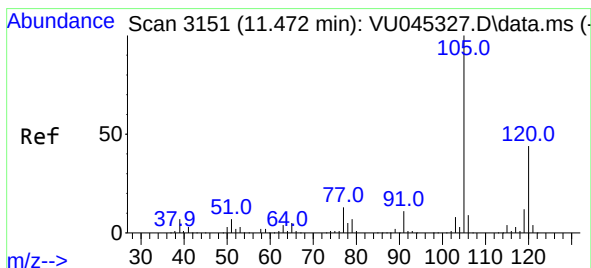
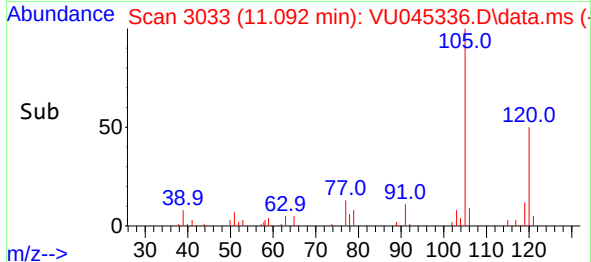
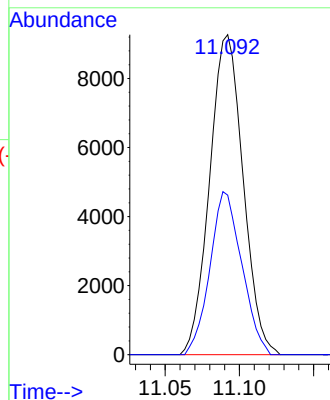
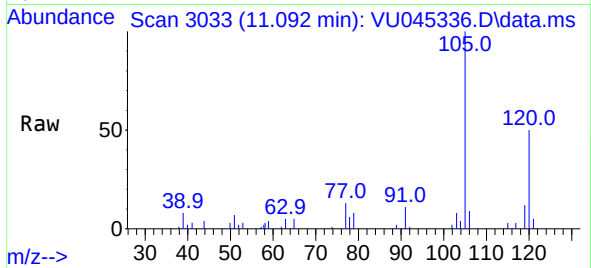
#62
1,3,5-Trimethylbenzene
Concen: 1.906 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:105 Resp: 14526
Ion Ratio Lower Upper
105 100
120 48.5 38.2 57.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

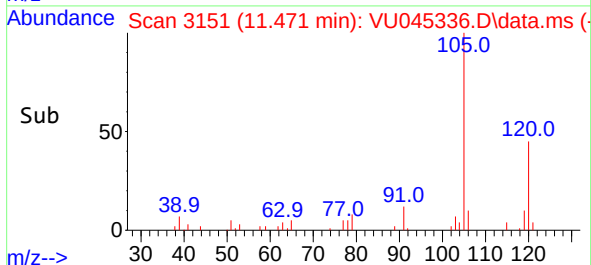
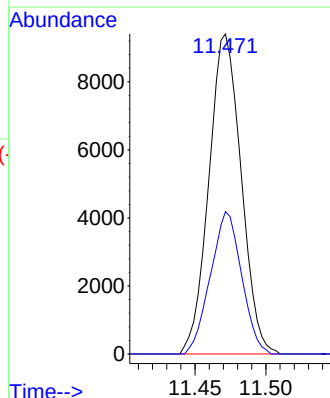
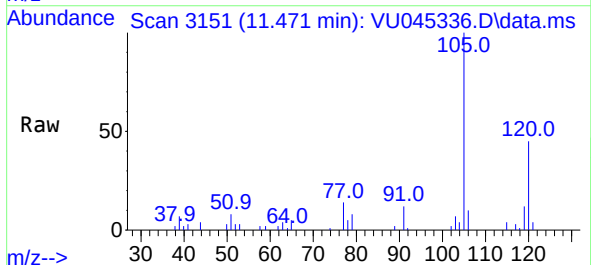
Manual Integrations
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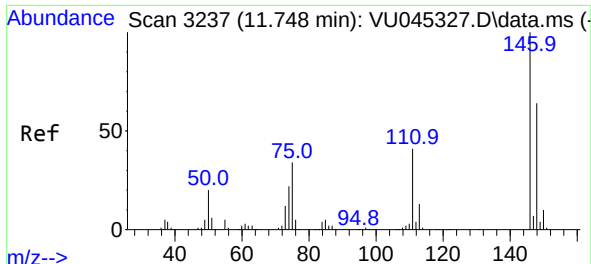
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#63
1,2,4-Trimethylbenzene
Concen: 1.932 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:105 Resp: 14906
Ion Ratio Lower Upper
105 100
120 42.9 35.5 53.3





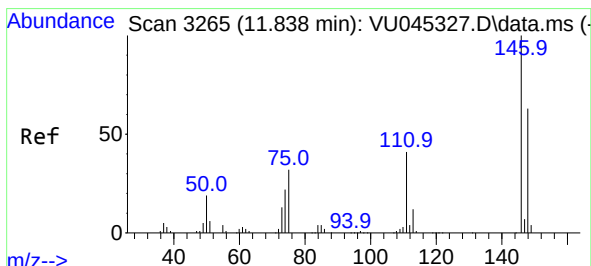
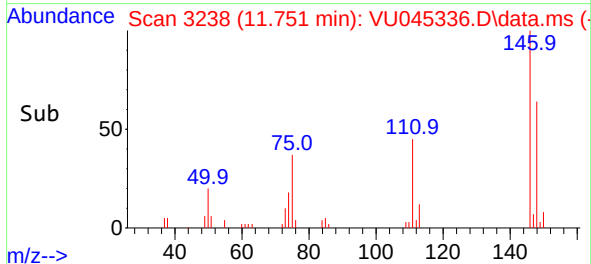
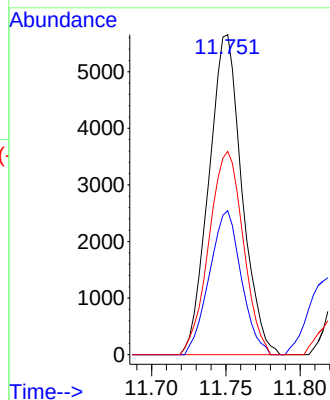
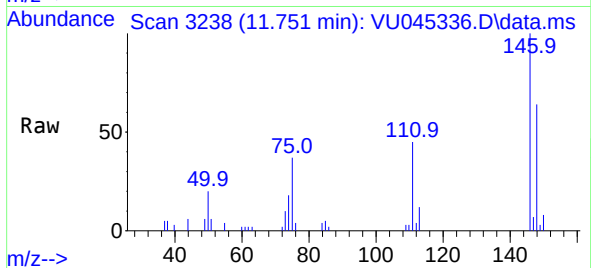
#64
1,3-Dichlorobenzene
Concen: 2.102 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:146 Resp: 8766
Ion Ratio Lower Upper
146 100
111 45.0 29.0 53.9
148 63.5 45.0 83.6

Instrument :
MSVOA_U
ClientSampled :
MDL02

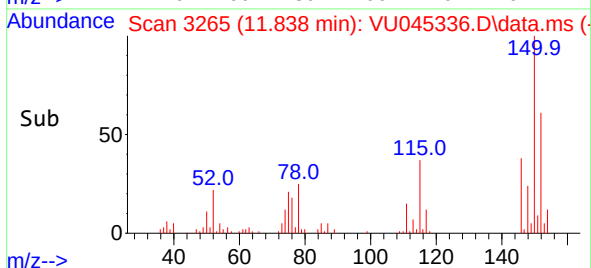
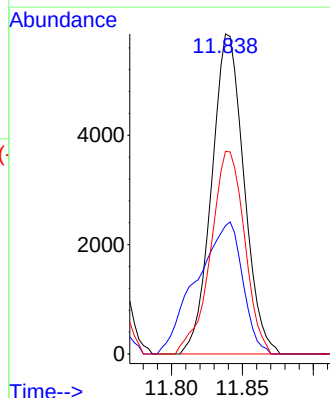
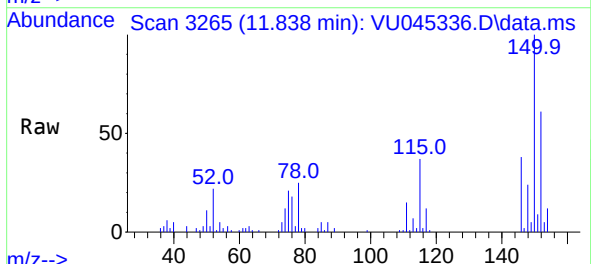
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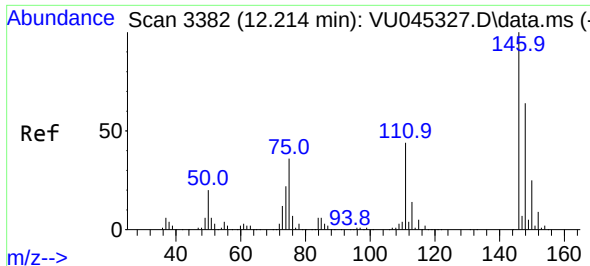
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#65
1,4-Dichlorobenzene
Concen: 2.190 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion:146 Resp: 9266
Ion Ratio Lower Upper
146 100
111 37.7 28.6 53.2
148 59.5 44.2 82.0





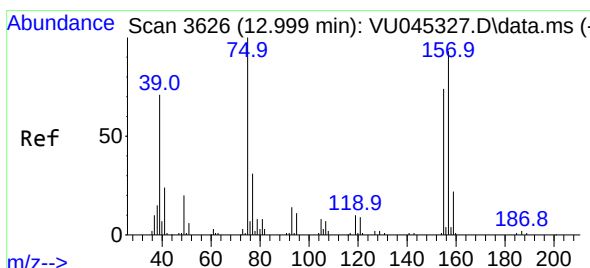
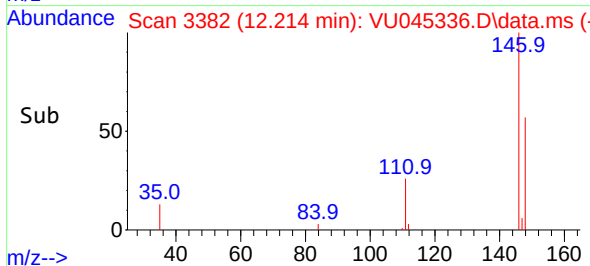
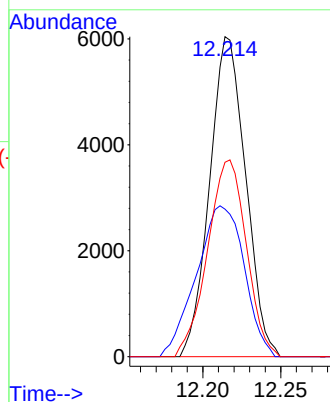
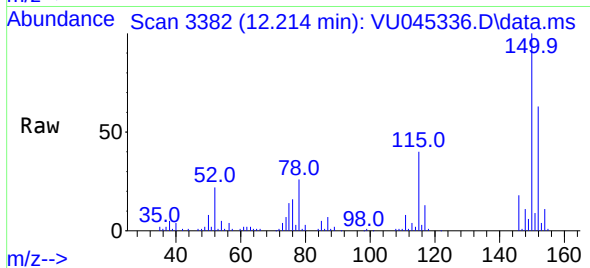
#67
1,2-Dichlorobenzene
Concen: 2.302 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Tgt Ion: 146 Resp: 9708
Ion Ratio Lower Upper
146 100
111 51.3 35.2 52.8
148 60.7 50.8 76.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

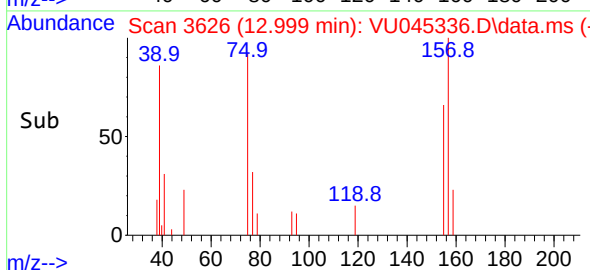
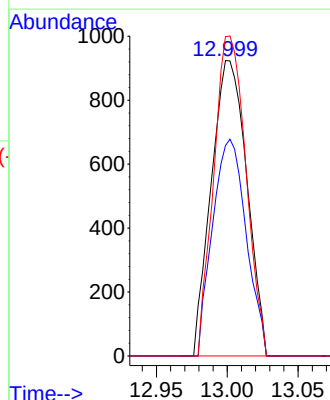
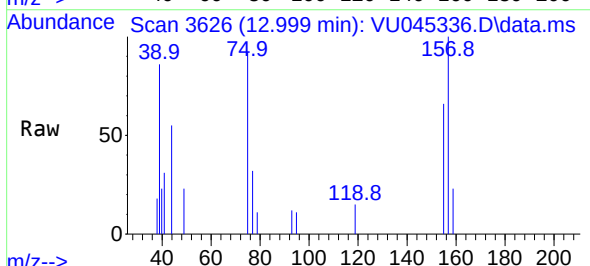
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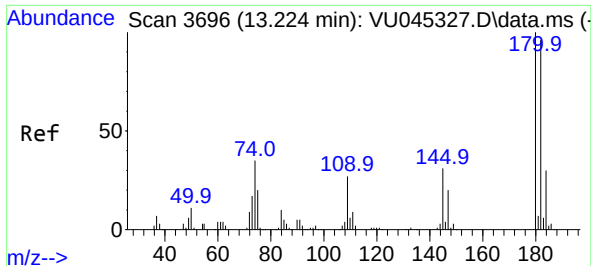
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#68
1,2-Dibromo-3-chloropropane
Concen: 1.868 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

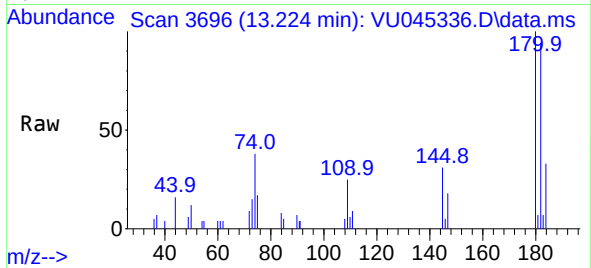
Tgt Ion: 75 Resp: 1611
Ion Ratio Lower Upper
75 100
155 71.2 61.9 92.9
157 108.1 74.1 111.1





#69
1,3,5-Trichlorobenzene
Concen: 1.916 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

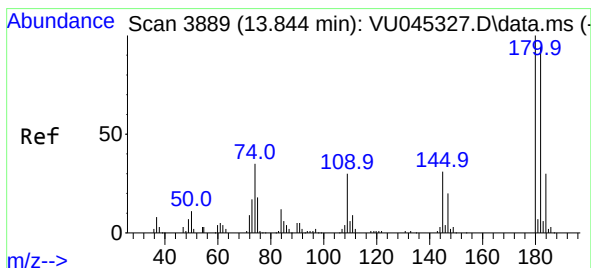
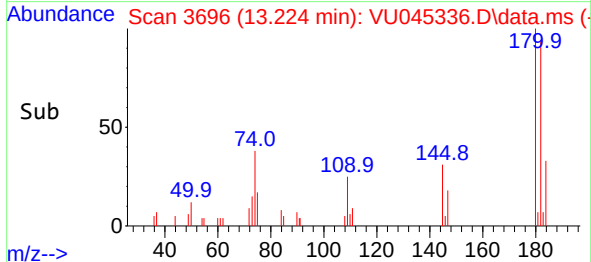
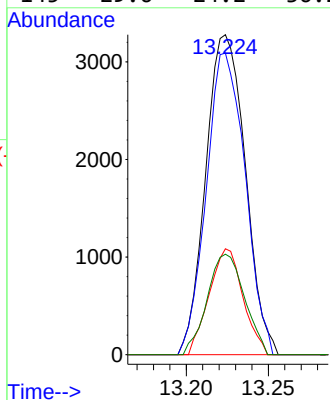


Tgt Ion:180 Resp: 5499

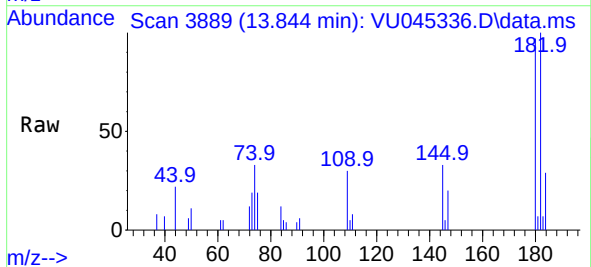
Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.0	114.0
184	28.4	23.8	35.8
145	29.6	24.2	36.2

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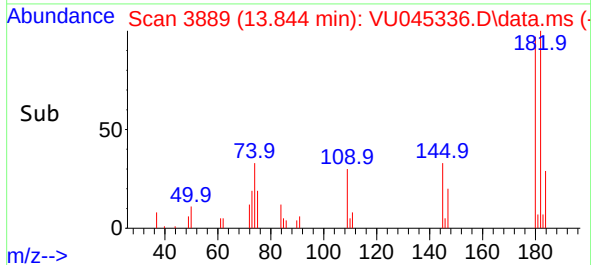
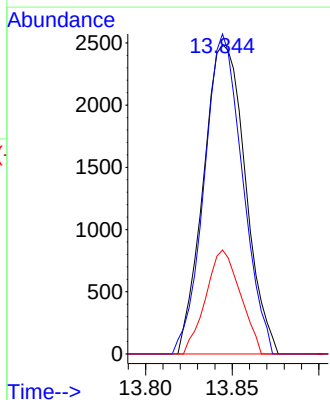


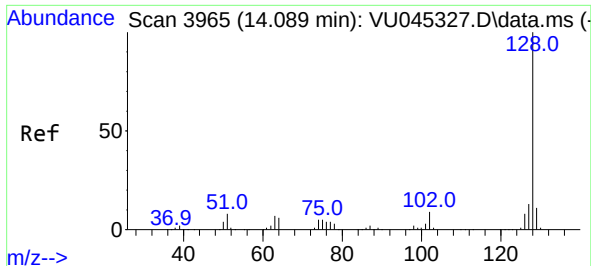
#70
1,2,4-trichlorobenzene
Concen: 1.739 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



Tgt Ion:180 Resp: 4184

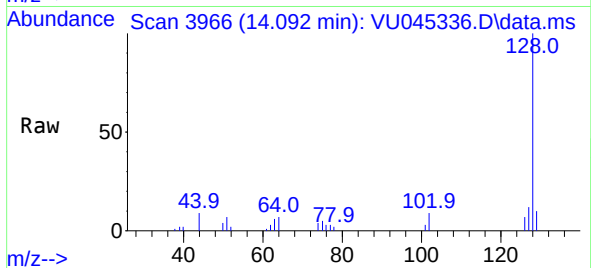
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.7	113.5
145	27.7	25.1	37.7





#71
Naphthalene
Concen: 1.838 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55

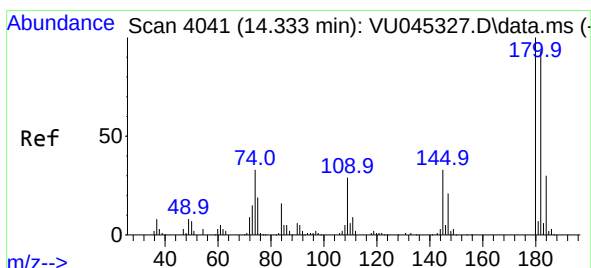
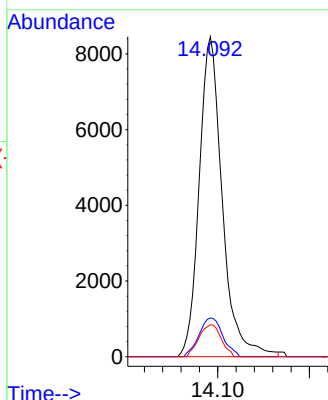
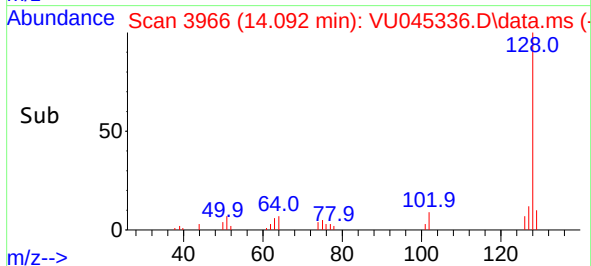
Instrument :
MSVOA_U
ClientSampled :
MDL02



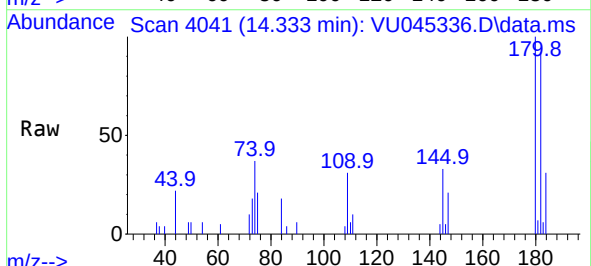
Tgt Ion:128 Resp: 14778
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 9.6 8.6 13.0

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.790 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU045336.D
Acq: 19 Oct 2021 17:55



Tgt Ion:180 Resp: 4303
Ion Ratio Lower Upper
180 100
182 94.7 75.0 112.4
145 33.6 26.4 39.6

