

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102921\
 Data File : VW023099.D
 Acq On : 29 Oct 2021 12:48
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
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SAM
 11/1/2021 6:39:31 PM

Quant Time: Oct 30 00:41:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 00:25:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	270492	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	272385	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	138585	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	83808	44.958	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.920%		
7) Chloroethane-d5	1.564	69	70881	48.750	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.500%		
11) 1,1-Dichloroethene-d2	2.108	63	125211	35.459	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.920%		
21) 2-Butanone-d5	3.876	46	141282	101.158	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.160%		
24) Chloroform-d	4.349	84	189314	48.301	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.600%		
26) 1,2-Dichloroethane-d4	5.031	65	118959	51.278	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.560%		
32) Benzene-d6	5.050	84	363082	48.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.320%		
36) 1,2-Dichloropropane-d6	6.069	67	116686	49.125	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.240%		
41) Toluene-d8	7.317	98	326386	47.944	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.880%		
43) trans-1,3-Dichloroprop...	7.622	79	54400	47.783	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.560%		
47) 2-Hexanone-d5	8.088	63	98876	95.840	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.840%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	164174	47.289	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.580%		
66) 1,2-Dichlorobenzene-d4	11.625	152	137119	51.293	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	5161	2.007	ug/L	100
3) Chloromethane	1.240	50	4530	1.868	ug/L	88
5) Vinyl chloride	1.310	62	5214	2.151	ug/L #	69
6) Bromomethane	1.519	94	2697	1.981	ug/L	96
8) Chloroethane	1.584	64	2994	2.029	ug/L	88
9) Trichlorofluoromethane	1.754	101	6838	1.859	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	4639	2.376	ug/L	88
12) 1,1-Dichloroethene	2.117	96	4532	2.501	ug/L #	1
13) Acetone	2.166	43	6059	4.377	ug/L #	76
14) Carbon disulfide	2.294	76	10471	1.933	ug/L	99
15) Methyl Acetate	2.436	43	4765	2.074	ug/L	95
16) Methylene chloride	2.510	84	5168	2.227	ug/L	93
17) trans-1,2-Dichloroethene	2.764	96	3919	1.895	ug/L	93
18) Methyl tert-butyl Ether	2.770	73	11035	1.777	ug/L #	87
19) 1,1-Dichloroethane	3.191	63	7277	1.889	ug/L	98
20) cis-1,2-Dichloroethene	3.918	96	4084	1.848	ug/L	97
22) 2-Butanone	3.995	43	5910m	3.746	ug/L	
23) Bromochloromethane	4.256	128	2473m	1.985	ug/L	
25) Chloroform	4.375	83	8922	2.252	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	5729m	1.926	ug/L	
29) Cyclohexane	4.683	56	5450m	1.714	ug/L	
30) 1,1,1-Trichloroethane	4.616	97	6690	1.843	ug/L #	75
31) Carbon tetrachloride	4.831	117	5933	1.819	ug/L	99
33) Benzene	5.104	78	15310	1.804	ug/L	100
34) Trichloroethene	5.924	95	4207	1.897	ug/L	97
35) Methylcyclohexane	6.133	83	6581	1.905	ug/L	93
37) 1,2-Dichloropropane	6.178	63	4371	1.960	ug/L #	85
38) Bromodichloromethane	6.516	83	5323	1.764	ug/L #	94
39) cis-1,3-Dichloropropene	7.037	75	6054	1.790	ug/L	90
40) 4-Methyl-2-pentanone	7.233	43	9267	3.222	ug/L	98
42) Toluene	7.394	91	21864	2.408	ug/L	99
44) trans-1,3-Dichloropropene	7.657	75	6459m	1.970	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	3990	1.752	ug/L	89
46) Tetrachloroethene	7.982	164	3712	1.942	ug/L	95
48) 2-Hexanone	8.153	43	9969	4.365	ug/L #	92
49) Dibromochloromethane	8.249	129	4751	1.826	ug/L	95
50) 1,2-Dibromoethane	8.358	107	4096	1.708	ug/L #	94
51) Chlorobenzene	8.886	112	11007	1.794	ug/L	96
52) Ethylbenzene	9.018	91	16376	1.695	ug/L	95
53) m,p-Xylene	9.143	106	5894	1.582	ug/L	97
54) o-Xylene	9.548	106	5744	1.584	ug/L	99
55) Styrene	9.567	104	8962	1.422	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	7413	2.041	ug/L #	97
59) Bromoform	9.735	173	3144	1.794	ug/L #	95
60) Isopropylbenzene	9.934	105	14340	1.620	ug/L	97
61) 1,2,3-Trichloropropane	10.275	75	5236	2.016	ug/L	96
62) 1,3,5-Trimethylbenzene	10.542	105	11056	1.516	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	11353	1.551	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	7742	1.730	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	9164	1.966	ug/L	95
67) 1,2-Dichlorobenzene	11.644	146	8925	1.972	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.432	75	1396	1.926	ug/L	87
69) 1,3,5-Trichlorobenzene	12.648	180	6412	1.894	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	5602	1.909	ug/L	93
71) Naphthalene	13.506	128	14116	1.499	ug/L	98
72) 1,2,3-Trichlorobenzene	13.747	180	4934	1.591	ug/L	92

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

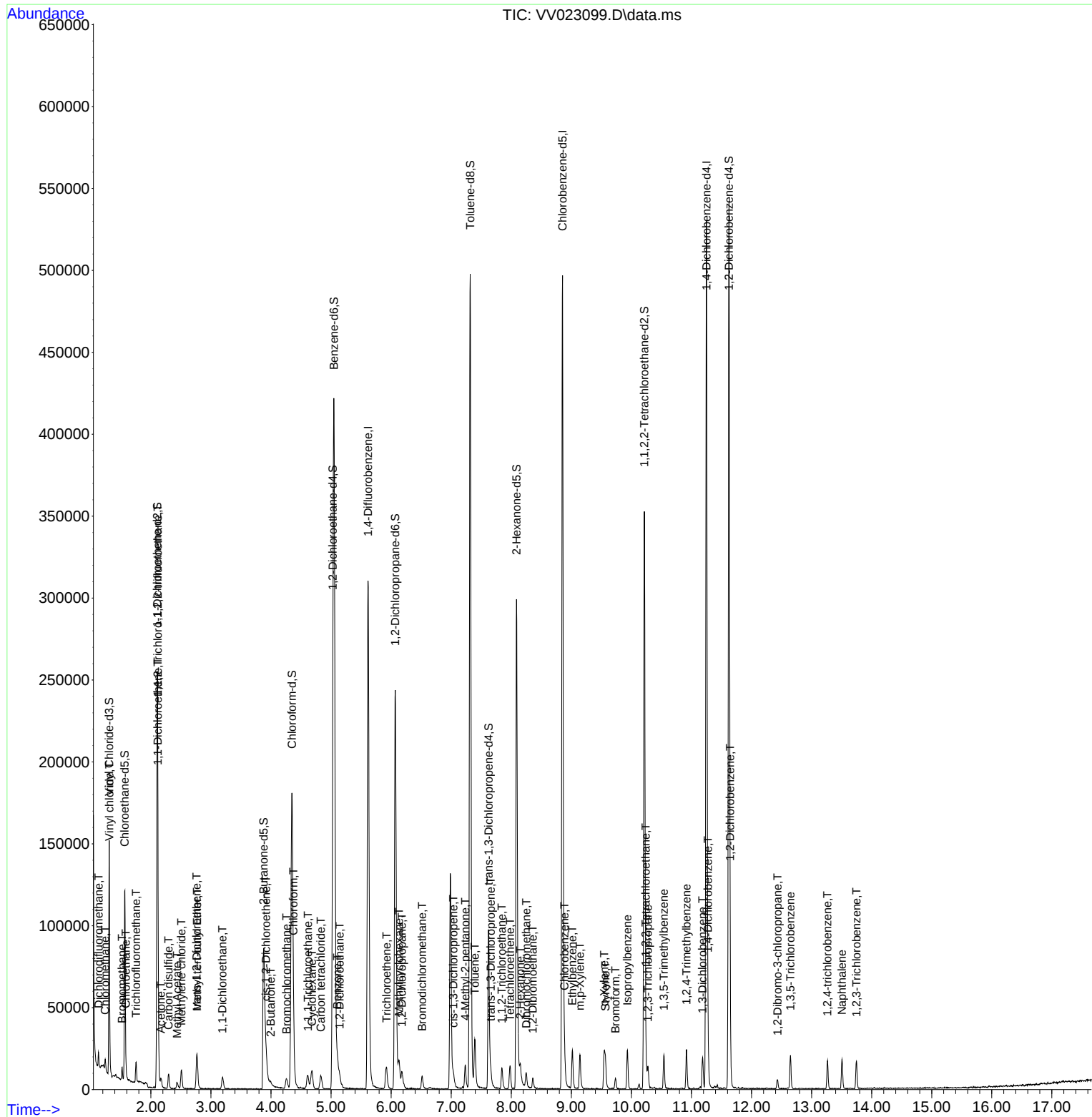
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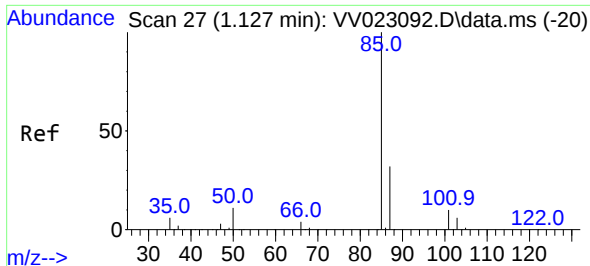
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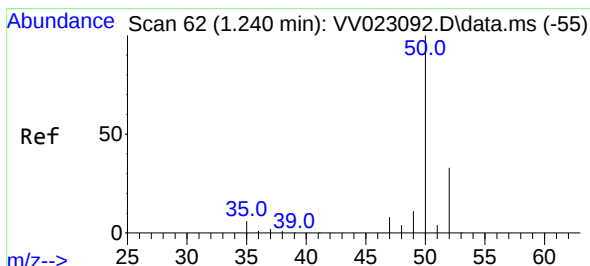
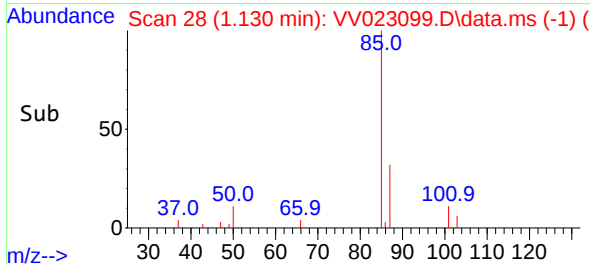
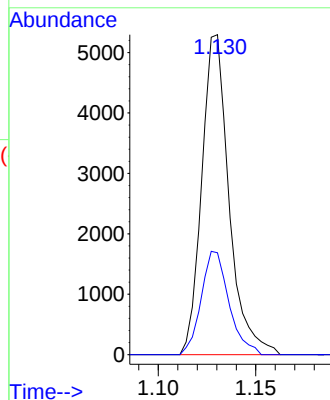
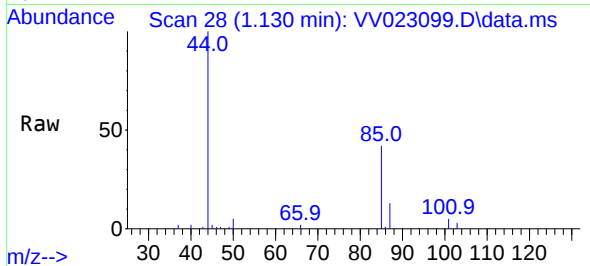
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 Dichlorodifluoromethane
 Concen: 2.007 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.003 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Tgt Ion: 85 Resp: 5161
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

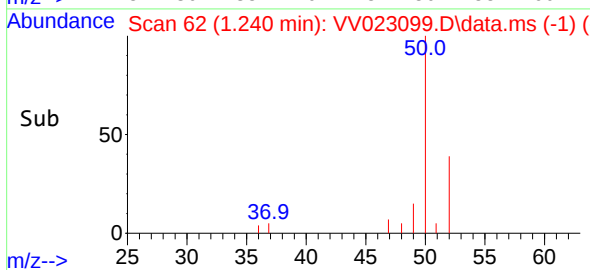
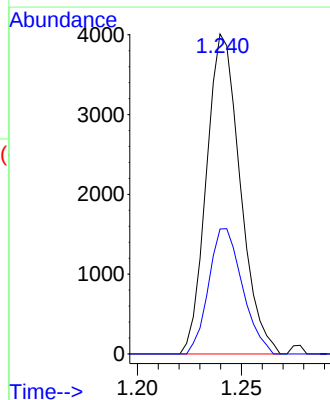
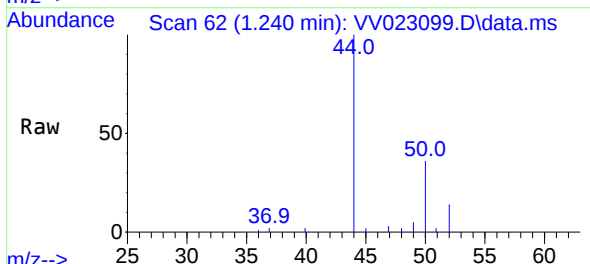
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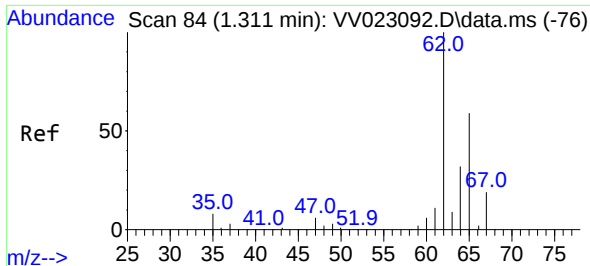
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#3
 Chloromethane
 Concen: 1.868 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Tgt Ion: 50 Resp: 4530
 Ion Ratio Lower Upper
 50 100
 52 39.1 22.5 41.9





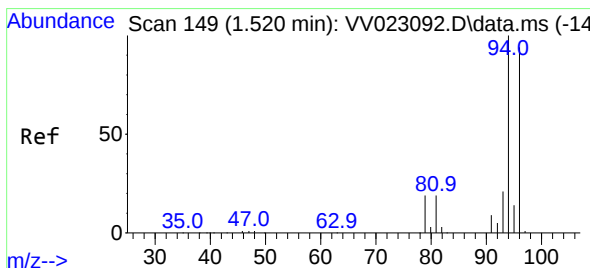
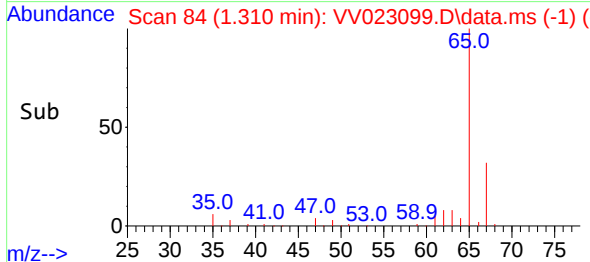
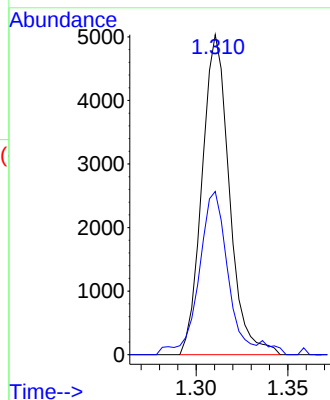
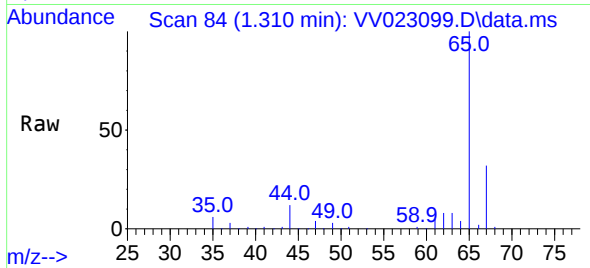
#5
 Vinyl chloride
 Concen: 2.151 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Tgt Ion: 62 Resp: 5214
 Ion Ratio Lower Upper
 62 100
 64 51.0 23.4 43.4#

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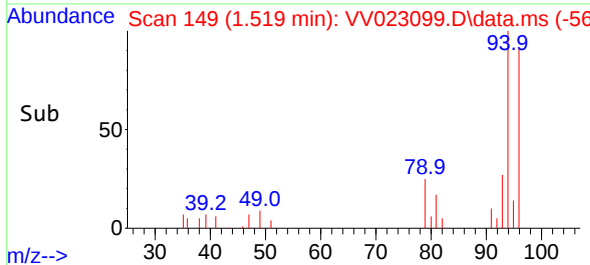
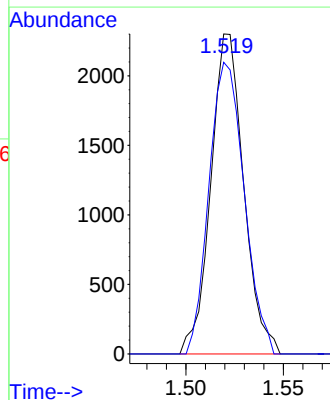
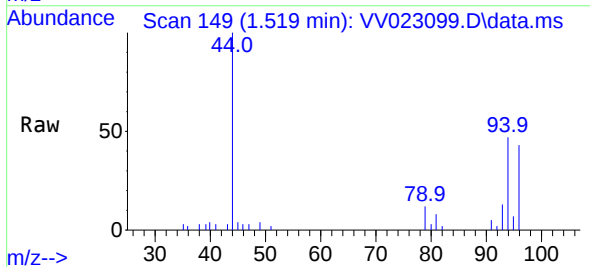
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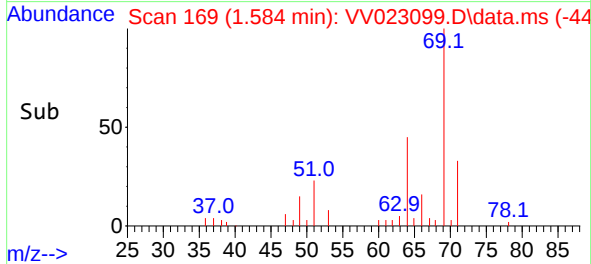
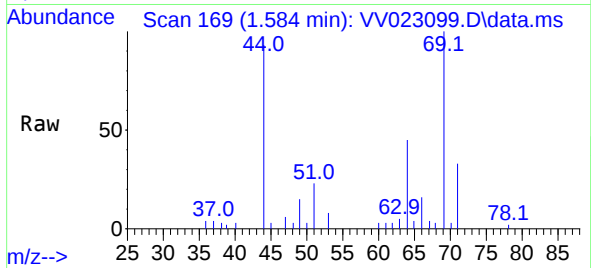
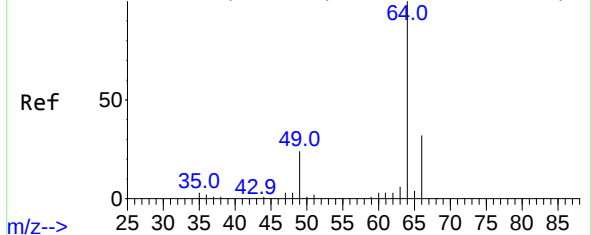


#6
 Bromomethane
 Concen: 1.981 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Tgt Ion: 94 Resp: 2697
 Ion Ratio Lower Upper
 94 100
 96 91.1 66.8 124.2



Abundance Scan 168 (1.581 min): VV023092.D\data.ms (-16



#8

Chloroethane

Concen: 2.029 ug/L

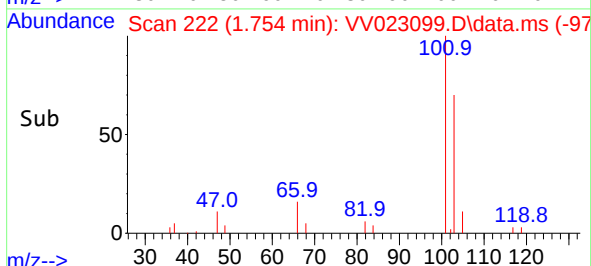
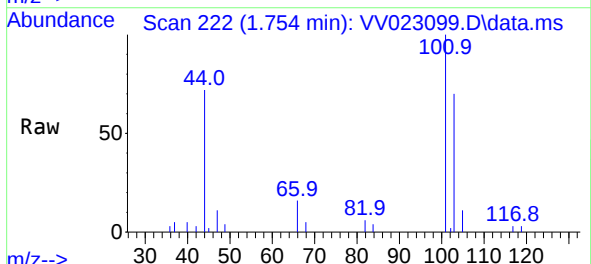
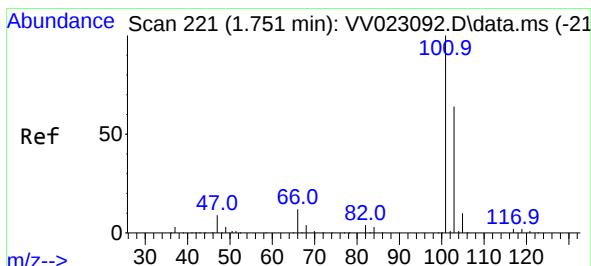
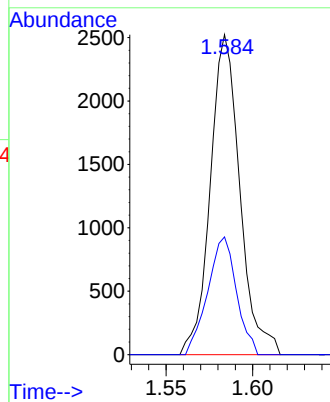
RT: 1.584 min Scan# 169

Delta R.T. 0.003 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion:	64	Resp:	2994
Ion	Ratio	Lower	Upper
64	100		
66	36.8	21.3	39.6



#9

Trichlorofluoromethane

Concen: 1.859 ug/L

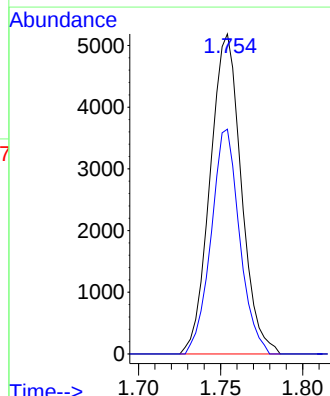
RT: 1.754 min Scan# 222

Delta R.T. 0.003 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion:	101	Resp:	6838
Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2



Instrument :

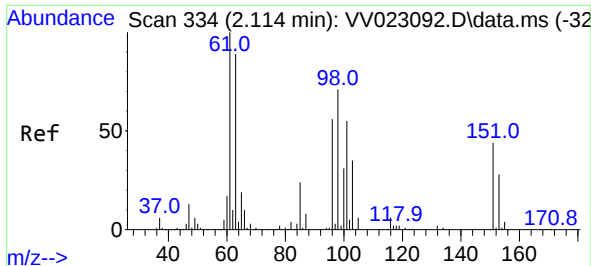
MSVOA_V

ClientSampled :

MDL03

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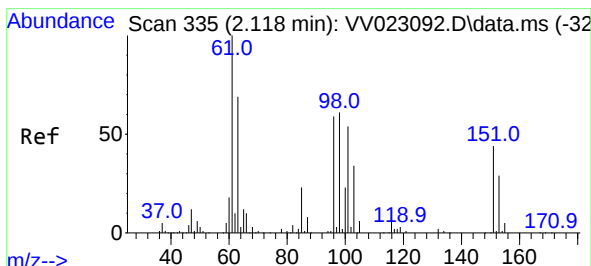
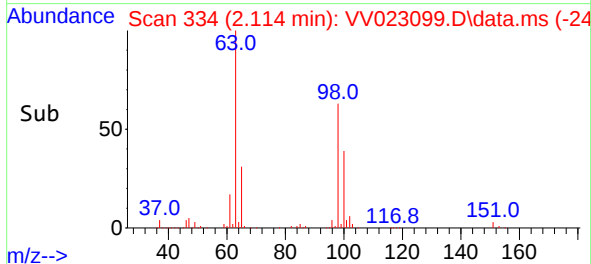
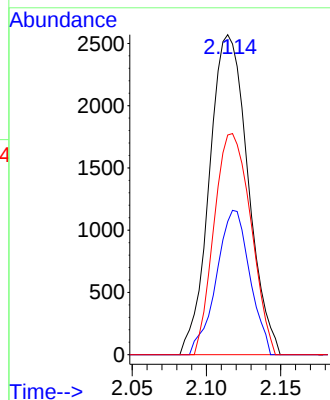
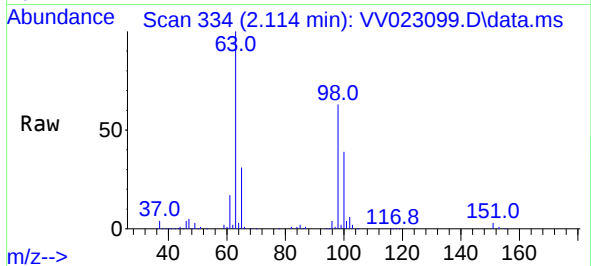
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.376 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV023099.D
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Tgt Ion:101 Resp: 4639
Ion Ratio Lower Upper
101 100
85 39.2 35.1 52.7
151 65.9 63.4 95.2

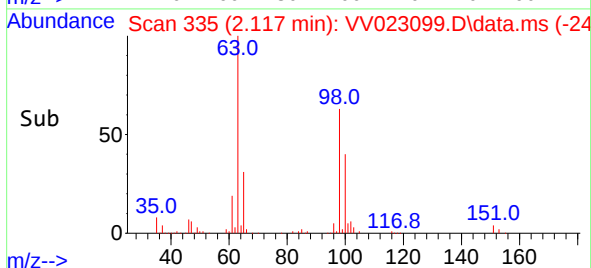
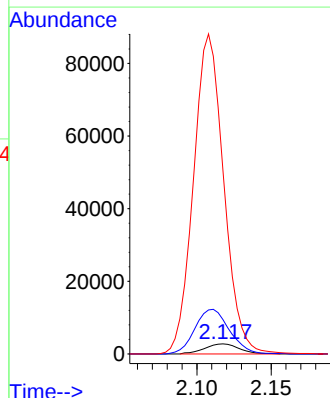
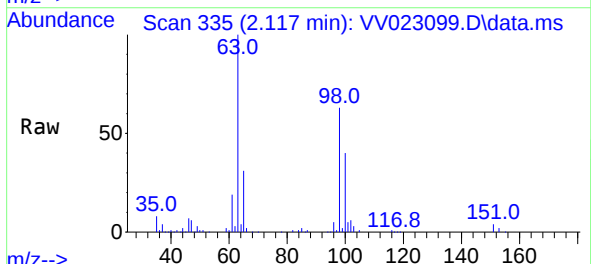
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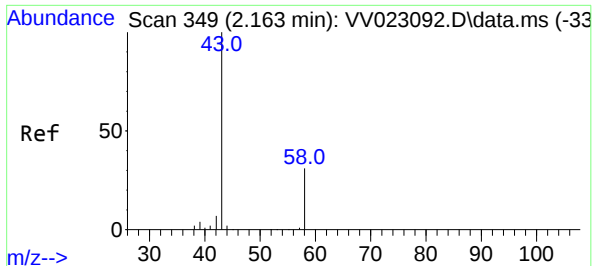
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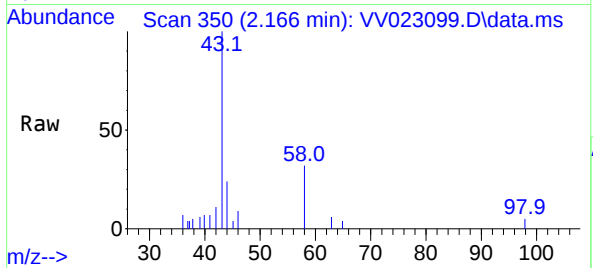
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1,1-Dichloroethene
Concen: 2.501 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 96 Resp: 4532
Ion Ratio Lower Upper
96 100
61 341.4 117.7 218.7#
63 1825.6 79.2 147.2#

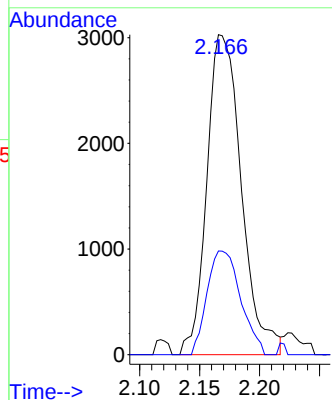




#13
Acetone
Concen: 4.377 ug/L
RT: 2.166 min Scan# 350
Delta R.T. 0.003 min
Lab File: VV023099.D
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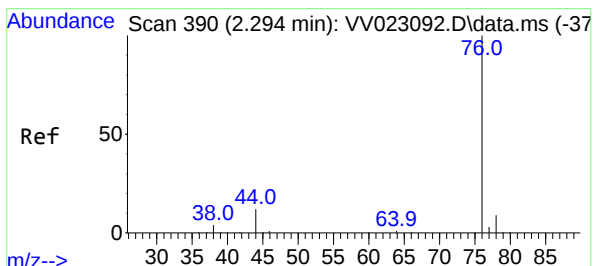
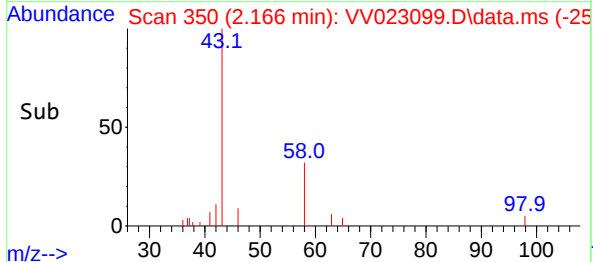
Tgt Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
58 31.5 0.0 0.4#



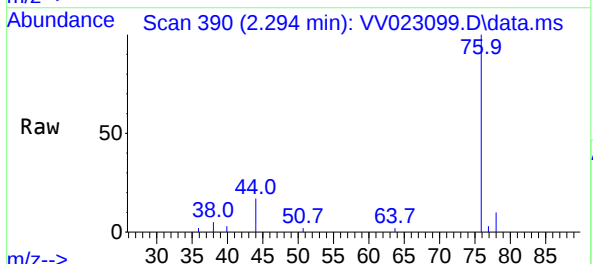
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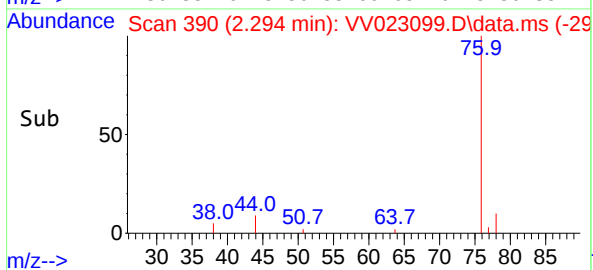
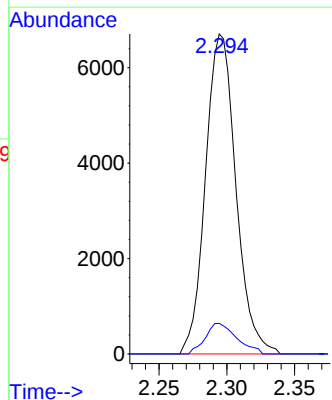
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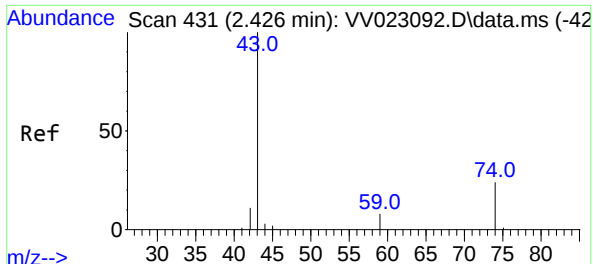


#14
Carbon disulfide
Concen: 1.933 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48



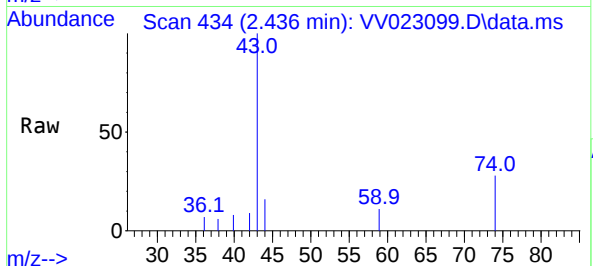
Tgt Ion: 76 Resp: 10471
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0





#15
Methyl Acetate
Concen: 2.074 ug/L
RT: 2.436 min Scan# 434
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

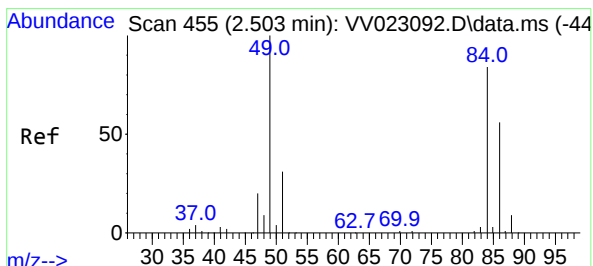
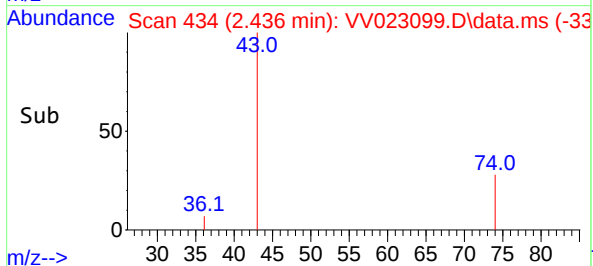
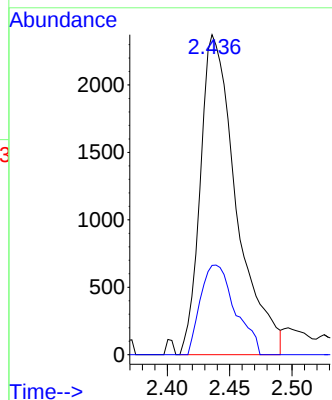
Instrument :
MSVOA_V
ClientSampled :
MDL03



Tgt Ion: 43 Resp: 4765
Ion Ratio Lower Upper
43 100
74 27.0 19.4 29.2

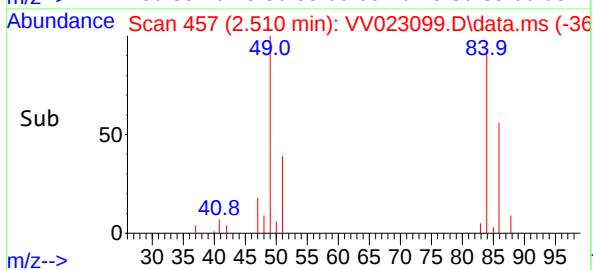
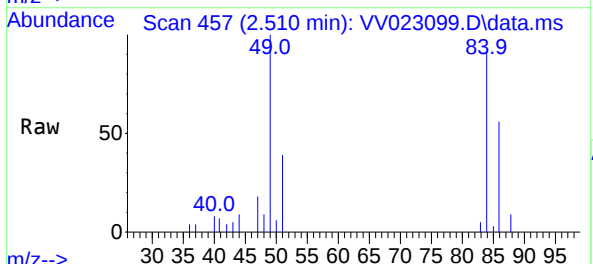
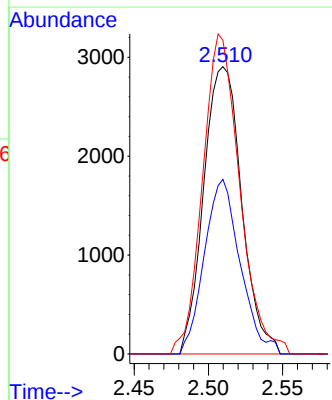
Manual Integrations
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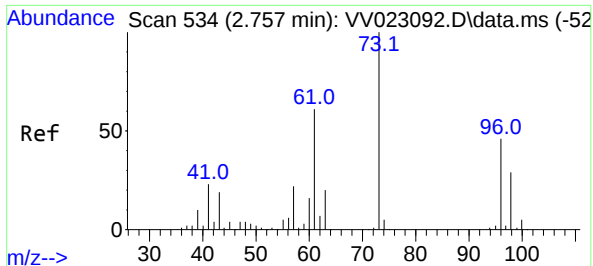
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#16
Methylene chloride
Concen: 2.227 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 84 Resp: 5168
Ion Ratio Lower Upper
84 100
86 60.8 45.4 84.2
49 109.1 83.0 154.1





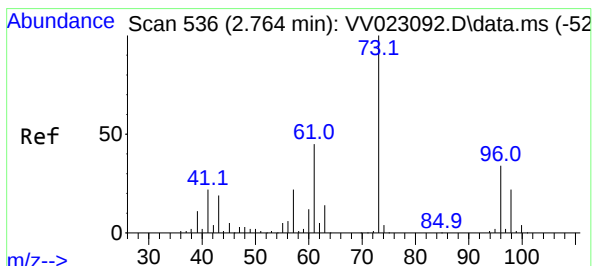
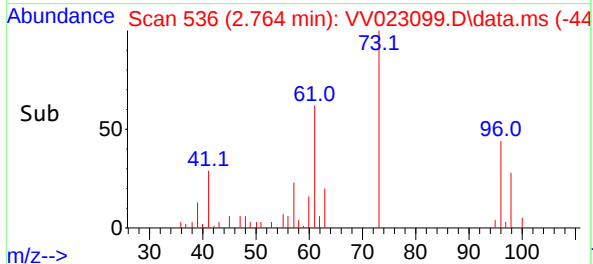
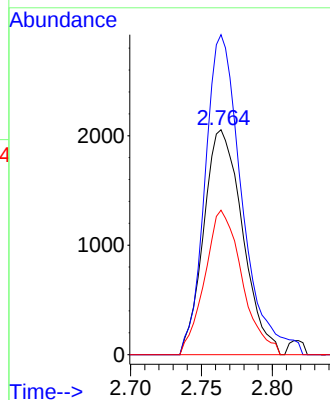
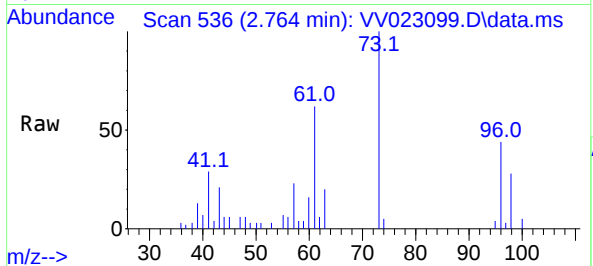
#17
trans-1,2-Dichloroethene
Concen: 1.895 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 96 Resp: 3919
Ion Ratio Lower Upper
96 100
61 142.2 92.2 171.2
98 64.2 44.1 81.9

Instrument :
MSVOA_V
ClientSampled :
MDL03

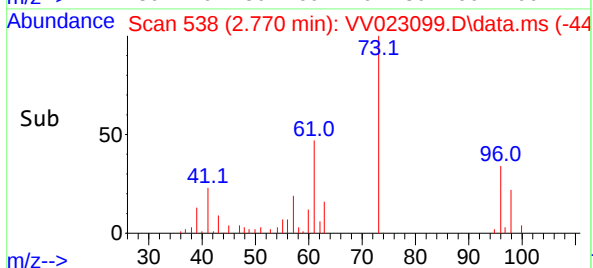
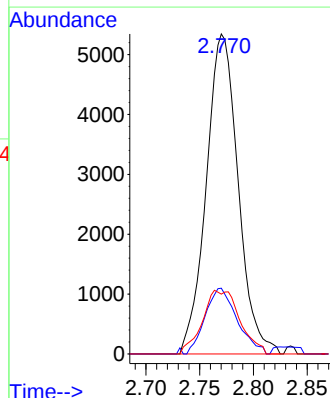
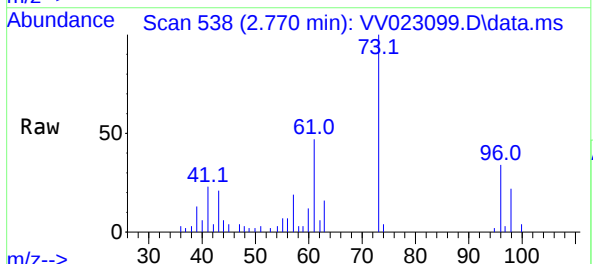
Manual Integrations
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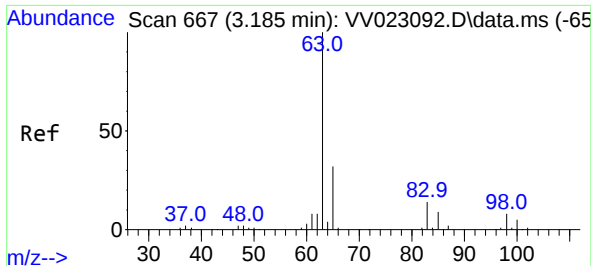
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#18
Methyl tert-butyl Ether
Concen: 1.777 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 73 Resp: 11035
Ion Ratio Lower Upper
73 100
43 20.4 14.9 22.3
57 12.3 17.6 26.4#





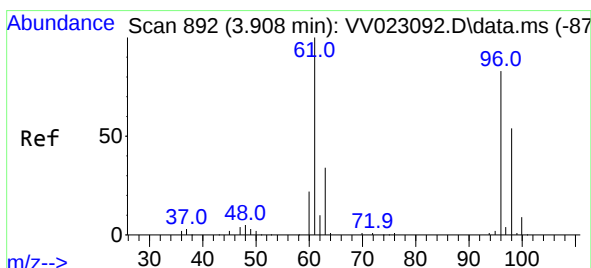
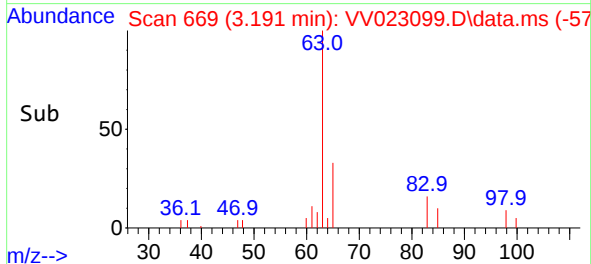
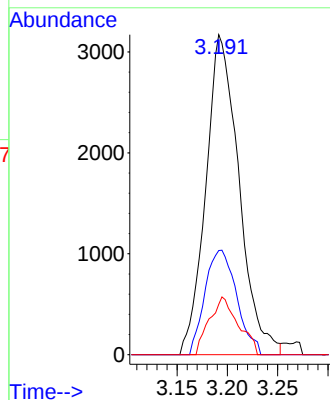
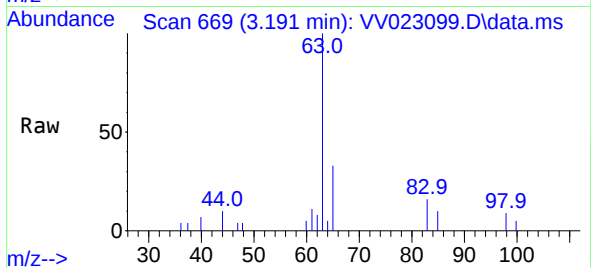
#19
1,1-Dichloroethane
Concen: 1.889 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	63	Resp:	7277
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.3	41.5
83	15.7	9.8	18.2

Instrument :
MSVOA_V
ClientSampled :
MDL03

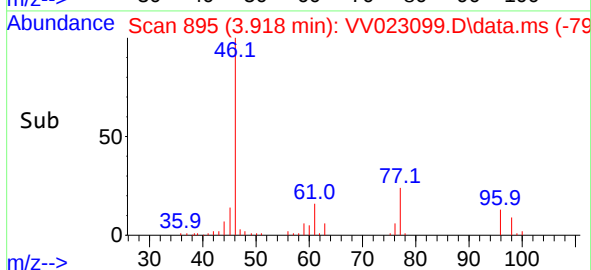
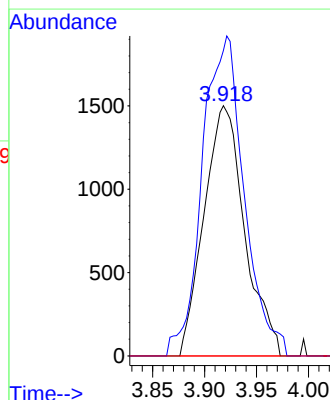
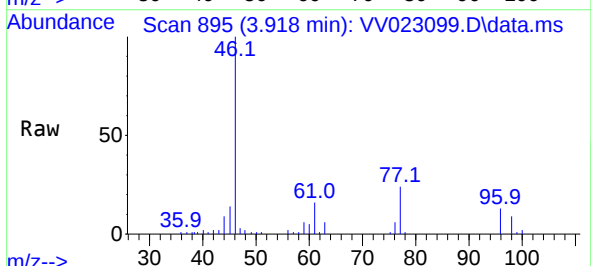
Manual Integrations
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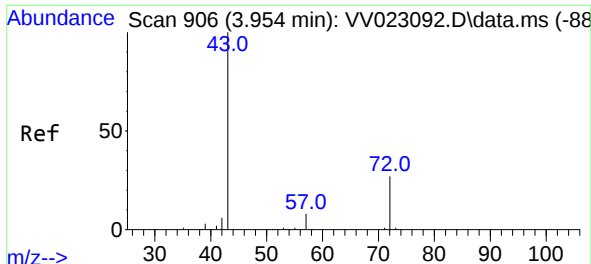
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#20
cis-1,2-Dichloroethene
Concen: 1.848 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	96	Resp:	4084
Ion	Ratio	Lower	Upper
96	100		
61	122.1	83.0	154.1
68	0.0	0.0	0.0





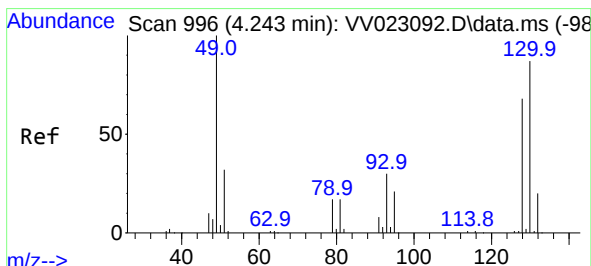
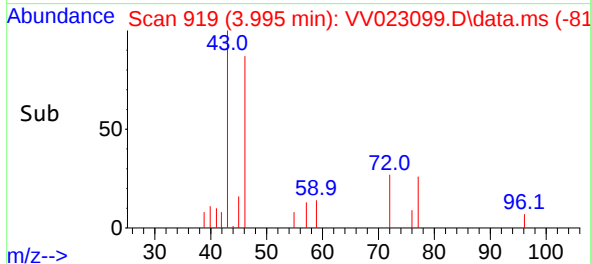
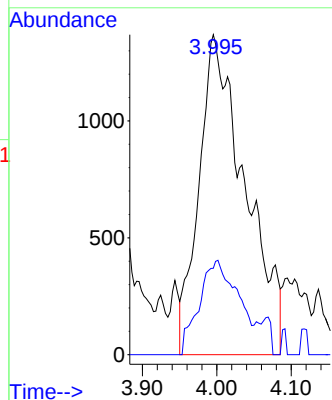
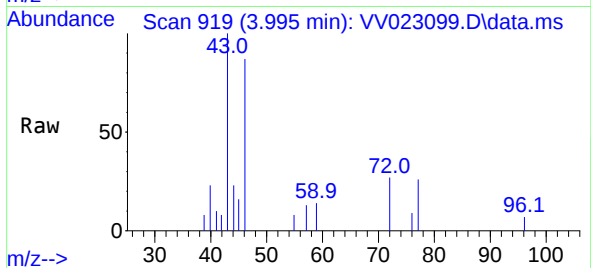
#22
2-Butanone
Concen: 3.746 ug/L m
RT: 3.995 min Scan# 919
Delta R.T. 0.042 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 43 Resp: 5910
Ion Ratio Lower Upper
43 100
72 10.8 13.4 40.1#

Instrument :
MSVOA_V
ClientSampled :
MDL03

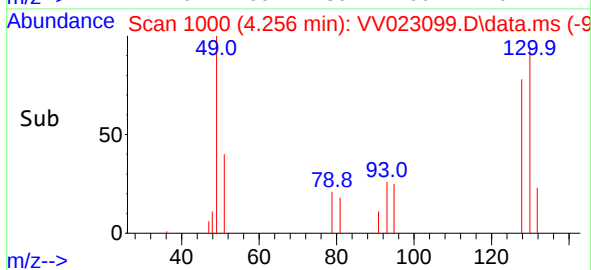
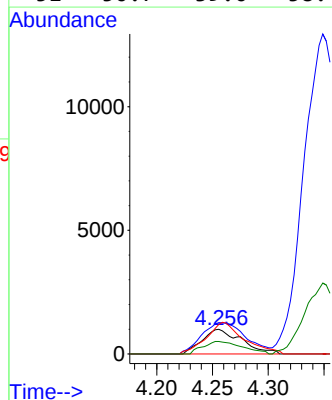
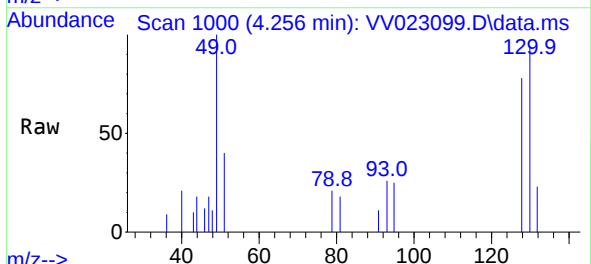
Manual Integrations
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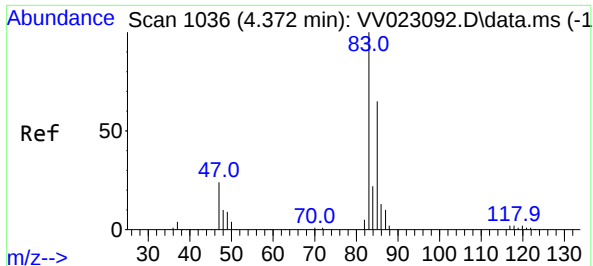
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#23
Bromochloromethane
Concen: 1.985 ug/L m
RT: 4.256 min Scan# 1000
Delta R.T. 0.013 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 128 Resp: 2473
Ion Ratio Lower Upper
128 100
49 127.4 104.7 194.4
130 119.7 89.7 166.7
51 50.7 39.0 58.4





#25

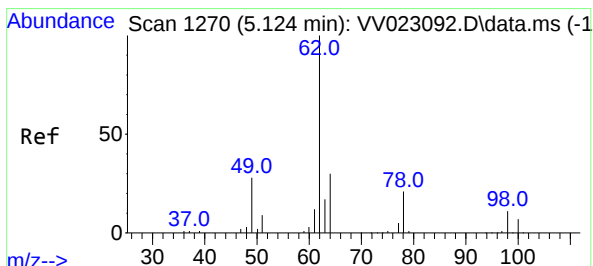
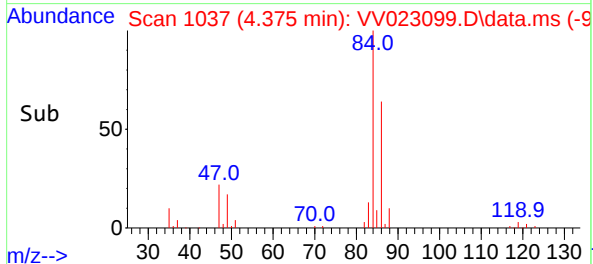
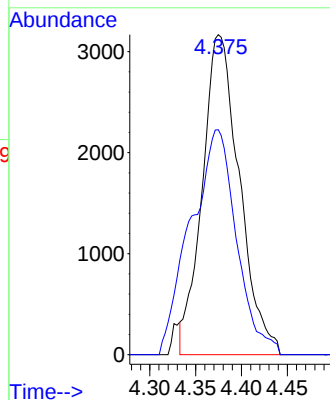
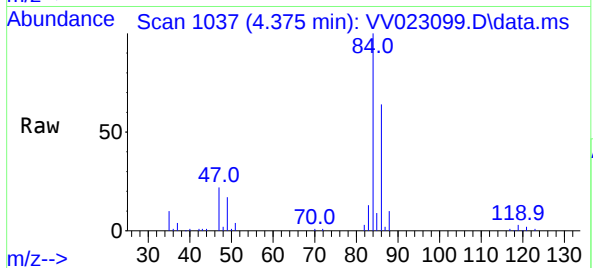
Chloroform
Concen: 2.252 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 83 Resp: 8922
Ion Ratio Lower Upper
83 100
85 70.3 44.4 82.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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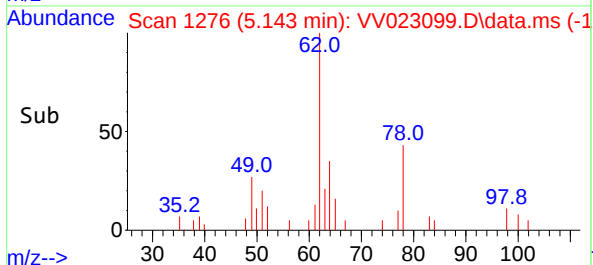
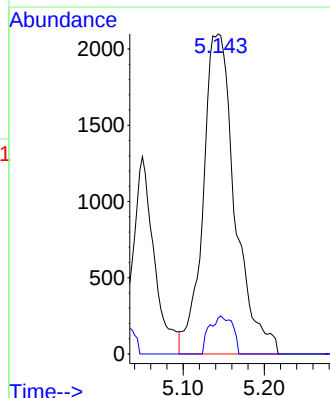
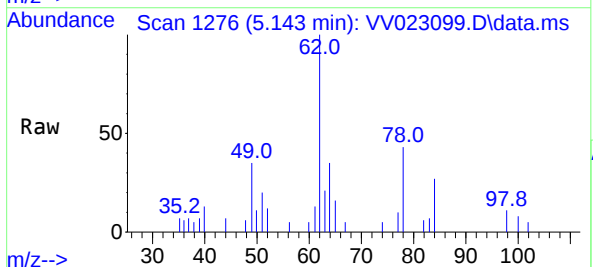
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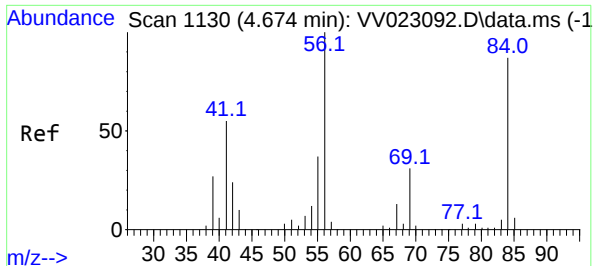


#27

1,2-Dichloroethane
Concen: 1.926 ug/L m
RT: 5.143 min Scan# 1276
Delta R.T. 0.019 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 62 Resp: 5729
Ion Ratio Lower Upper
62 100
98 11.2 8.2 12.4





#29

Cyclohexane

Concen: 1.714 ug/L m

RT: 4.683 min Scan# 1133

Delta R.T. 0.010 min

Lab File: VV023099.D

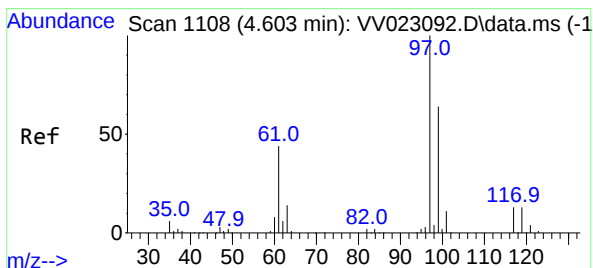
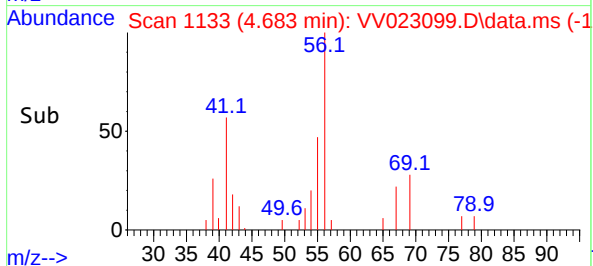
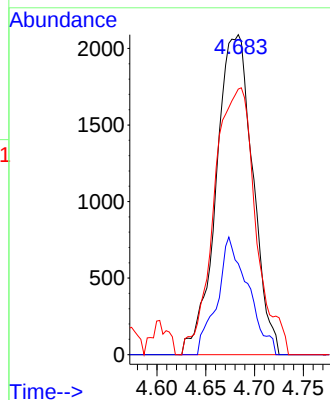
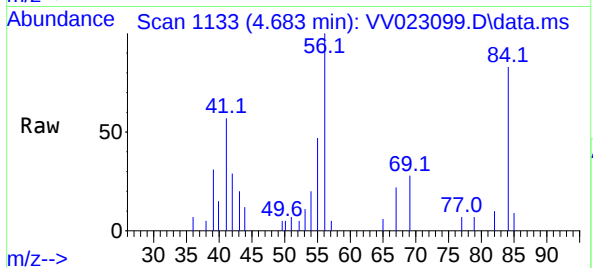
Acq: 29 Oct 2021 12:48

Tgt Ion:	56	Resp:	5450
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	79.3	72.8	109.2

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 1.843 ug/L

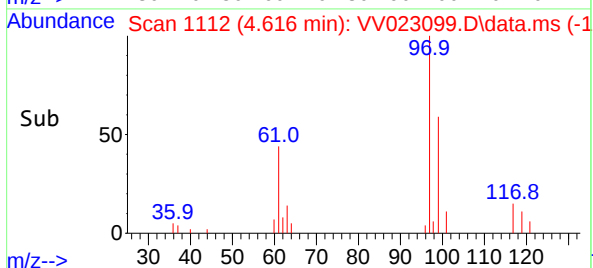
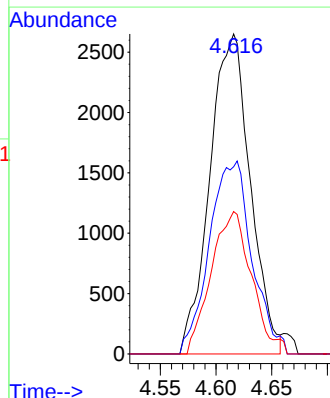
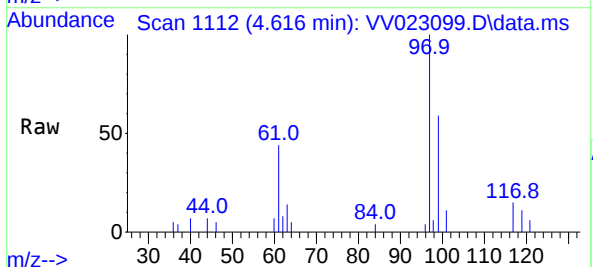
RT: 4.616 min Scan# 1112

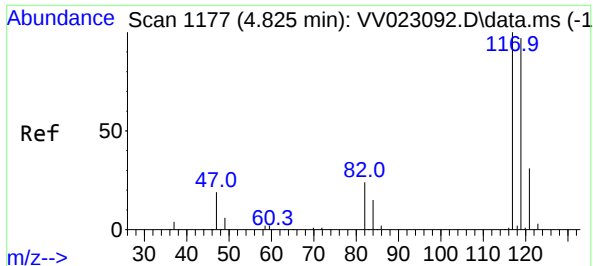
Delta R.T. 0.013 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion:	97	Resp:	6690
Ion	Ratio	Lower	Upper
97	100		
99	33.2	51.9	77.9#
61	43.5	33.8	50.6





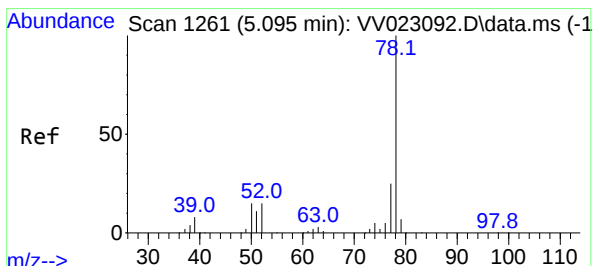
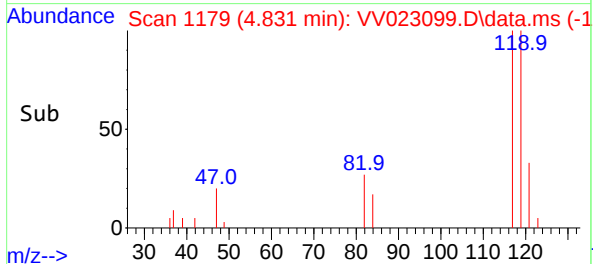
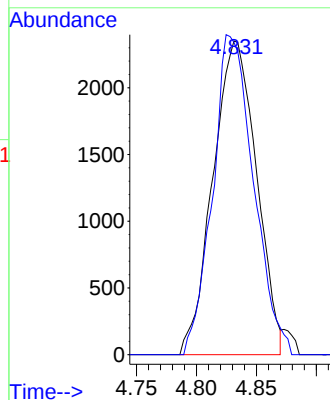
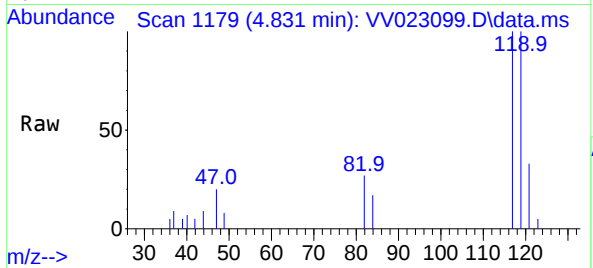
#31
Carbon tetrachloride
Concen: 1.819 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:117 Resp: 5933
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

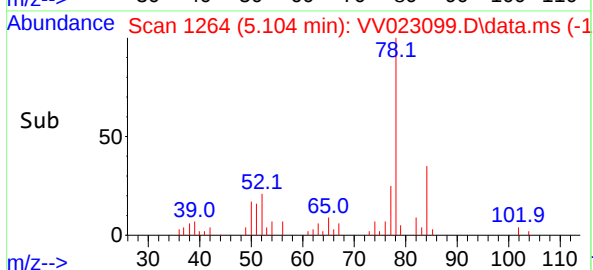
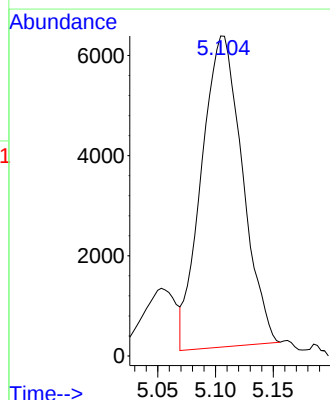
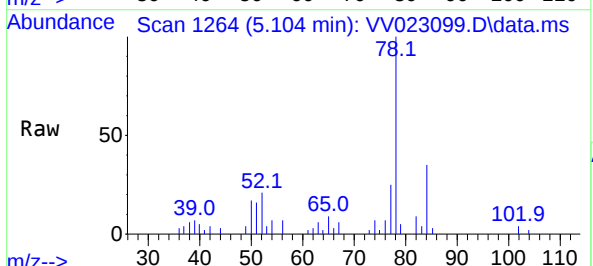
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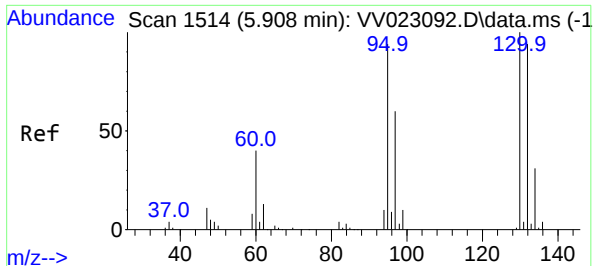
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#33
Benzene
Concen: 1.804 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 78 Resp: 15310





#34

Trichloroethene

Concen: 1.897 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.016 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion: 95 Resp: 4207

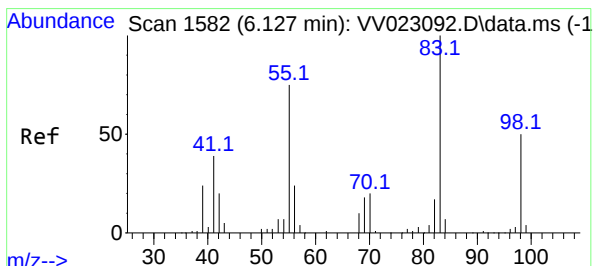
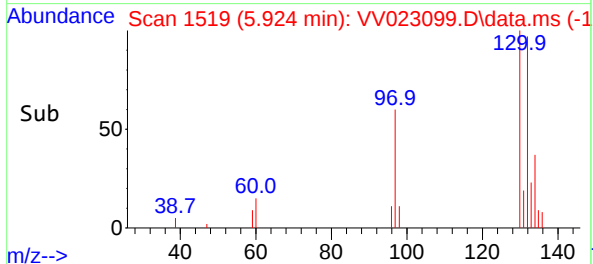
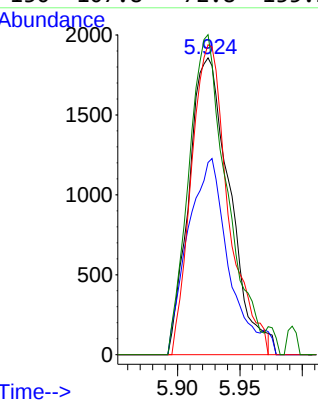
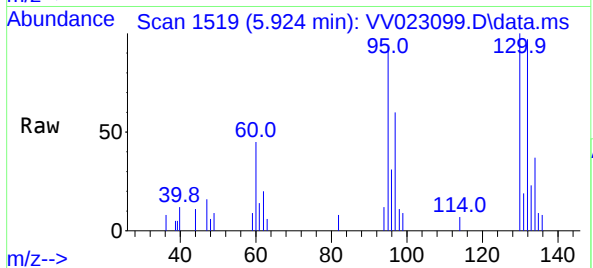
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.5

132 104.4 71.5 132.9

130 107.8 72.8 135.2



#35

Methylcyclohexane

Concen: 1.905 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

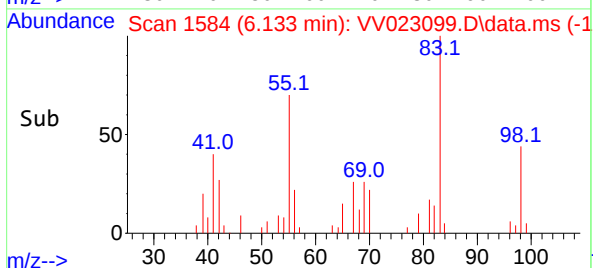
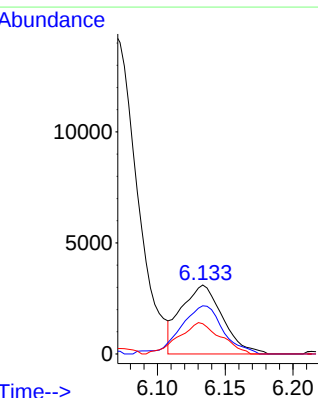
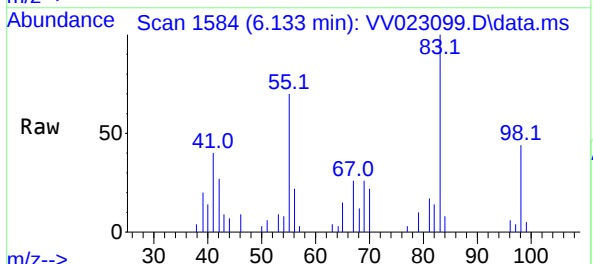
Tgt Ion: 83 Resp: 6581

Ion Ratio Lower Upper

83 100

55 69.5 60.1 90.1

98 45.8 41.2 61.8



Instrument :

MSVOA_V

ClientSampled :

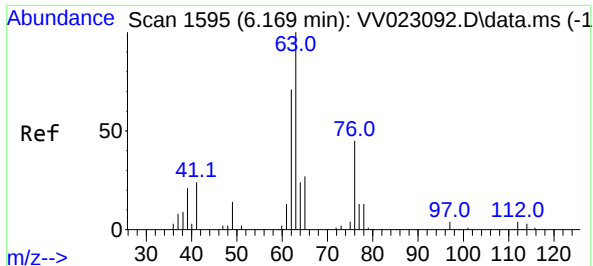
MDL03

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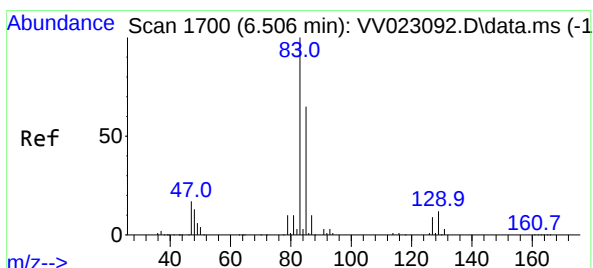
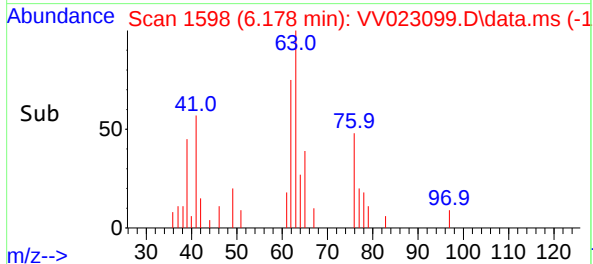
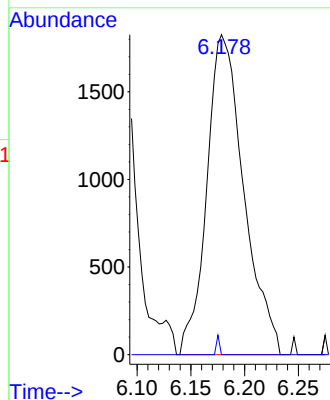
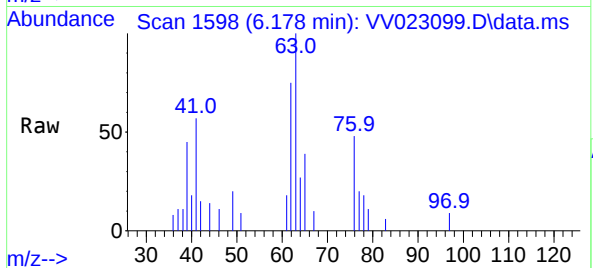
#37
1,2-Dichloropropane
Concen: 1.960 ug/L
RT: 6.178 min Scan# 1598
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 63 Resp: 4371
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

Instrument :
MSVOA_V
ClientSampled :
MDL03

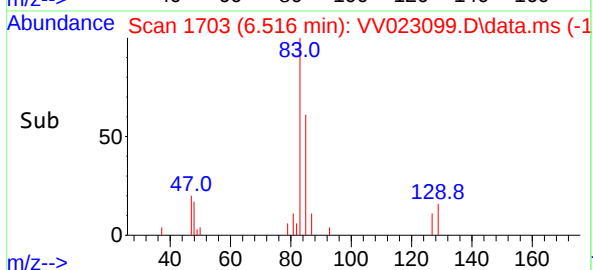
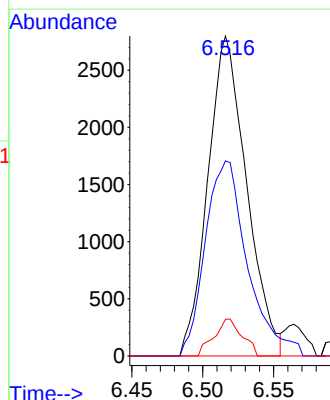
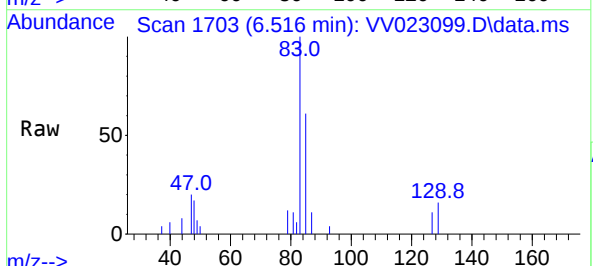
Manual Integrations
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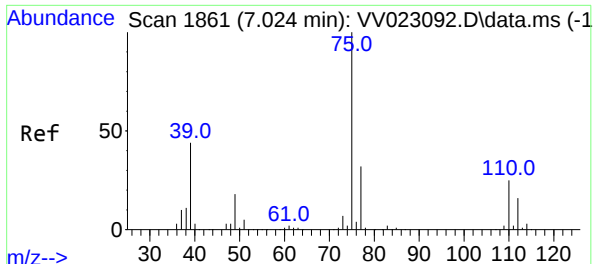
SAM
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#38
Bromodichloromethane
Concen: 1.764 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 83 Resp: 5323
Ion Ratio Lower Upper
83 100
85 61.0 46.1 85.5
127 11.5 7.4 11.0#





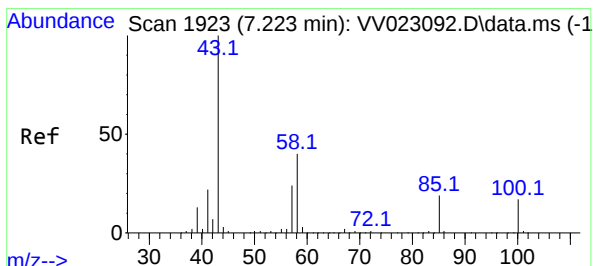
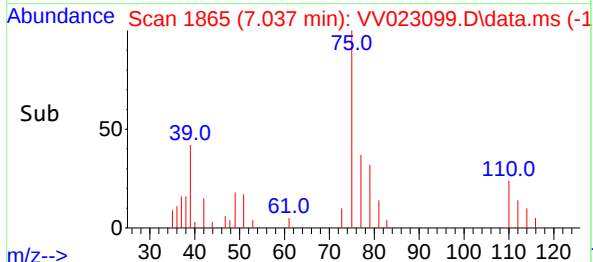
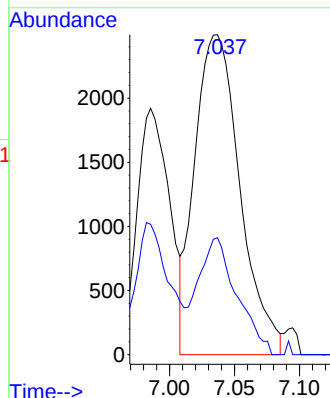
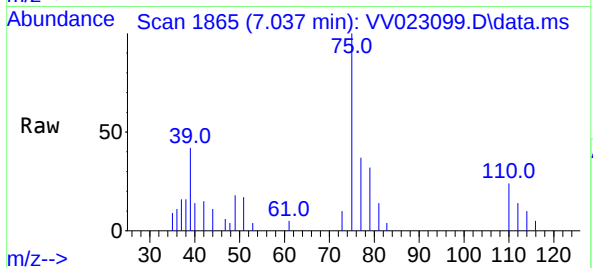
#39
 cis-1,3-Dichloropropene
 Concen: 1.790 ug/L
 RT: 7.037 min Scan# 1865
 Delta R.T. 0.013 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 6054
 Ion Ratio Lower Upper
 75 100
 77 36.6 21.8 40.6

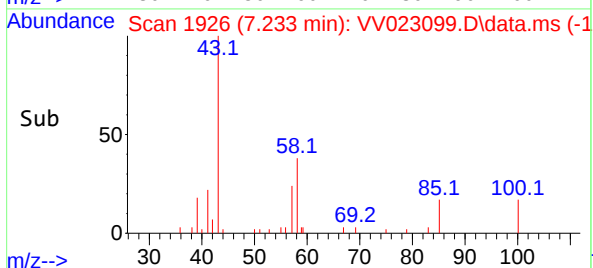
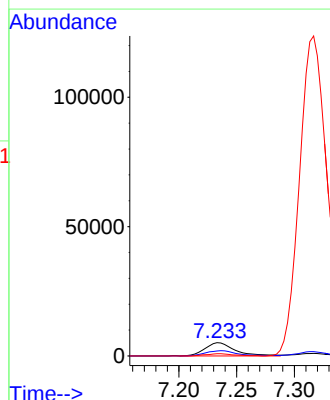
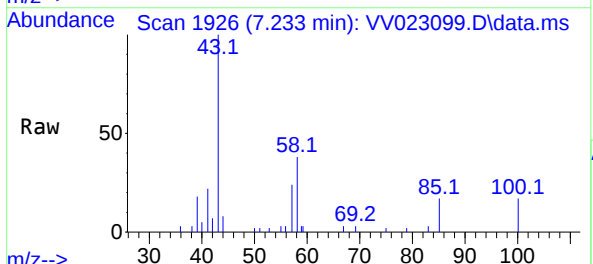
Manual Integrations
 APPROVED

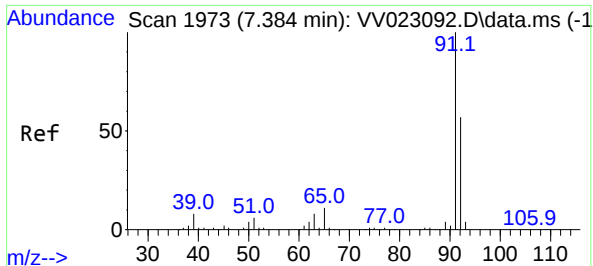
SAM
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#40
 4-Methyl-2-pentanone
 Concen: 3.222 ug/L
 RT: 7.233 min Scan# 1926
 Delta R.T. 0.010 min
 Lab File: VV023099.D
 Acq: 29 Oct 2021 12:48

Tgt Ion: 43 Resp: 9267
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.4 48.6
 100 16.0 13.4 20.2





#42

Toluene

Concen: 2.408 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion: 91 Resp: 21864

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4

Instrument :

MSVOA_V

ClientSampled :

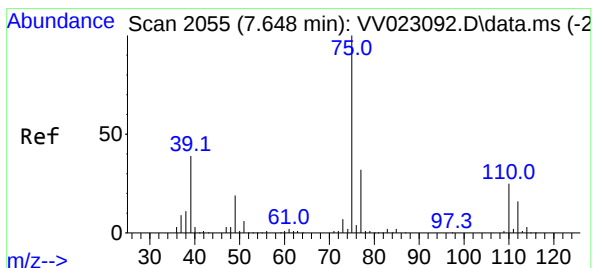
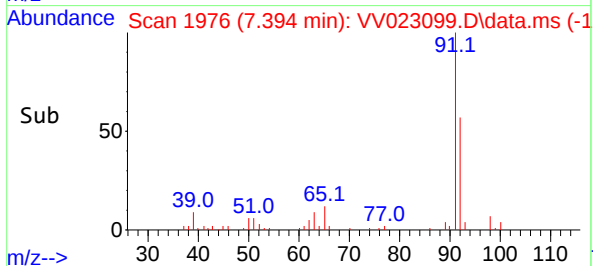
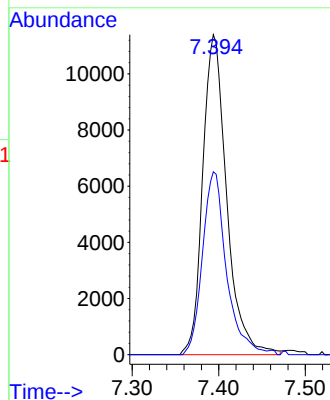
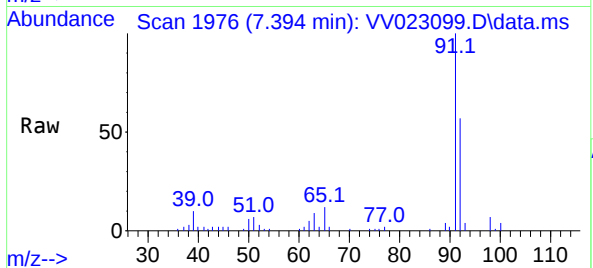
MDL03

Manual Integrations

APPROVED

SAM

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#44

trans-1,3-Dichloropropene

Concen: 1.970 ug/L m

RT: 7.657 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VV023099.D

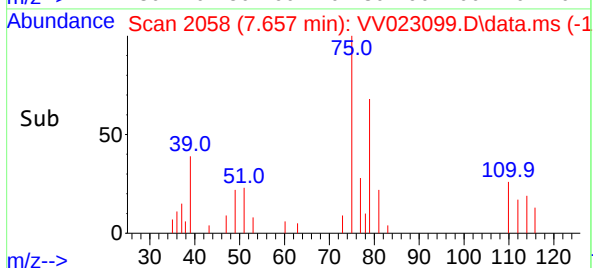
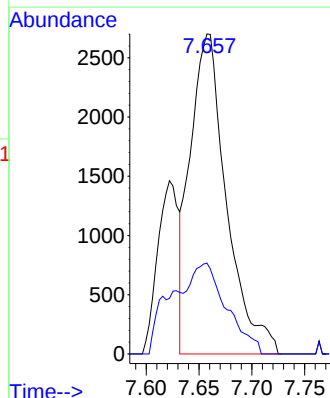
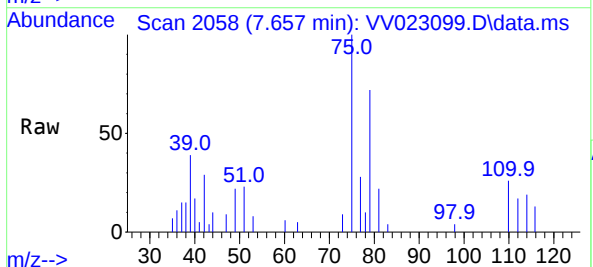
Acq: 29 Oct 2021 12:48

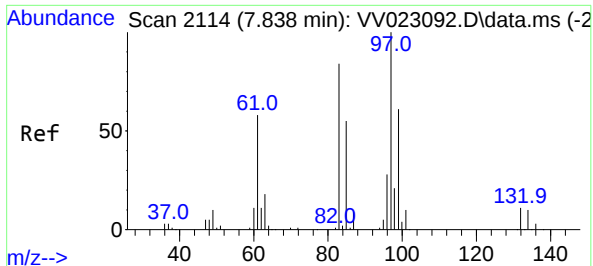
Tgt Ion: 75 Resp: 6459

Ion Ratio Lower Upper

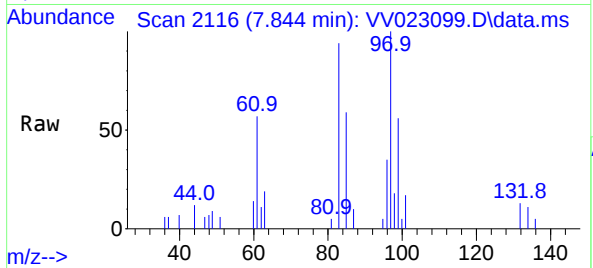
75 100

77 28.4 21.4 39.8



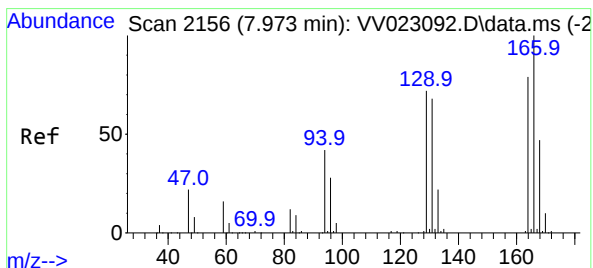
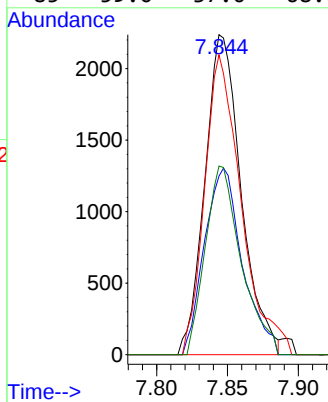
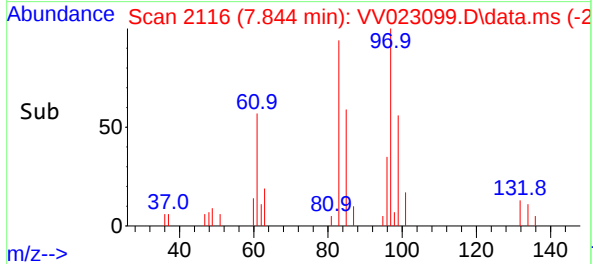


#45
1,1,2-Trichloroethane
Concen: 1.752 ug/L
RT: 7.844 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

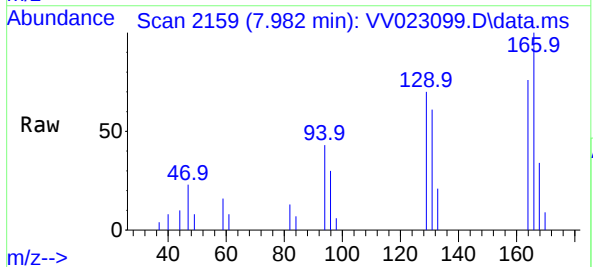


Tgt Ion: 97 Resp: 3990

Ion	Ratio	Lower	Upper
97	100		
99	55.8	44.2	82.2
83	93.7	57.7	107.1
85	59.0	37.0	68.6

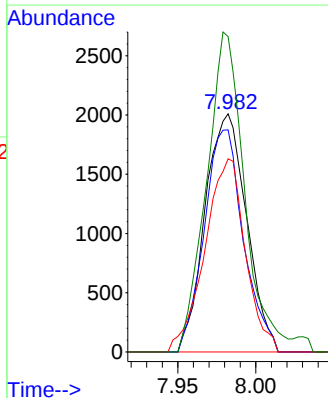
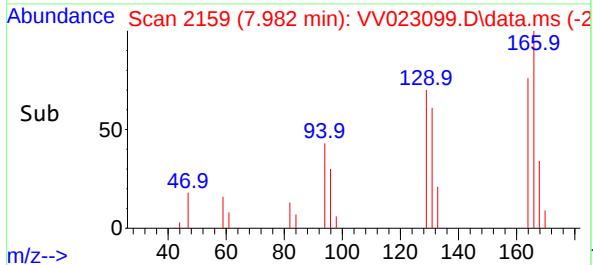


#46
Tetrachloroethene
Concen: 1.942 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48



Tgt Ion: 164 Resp: 3712

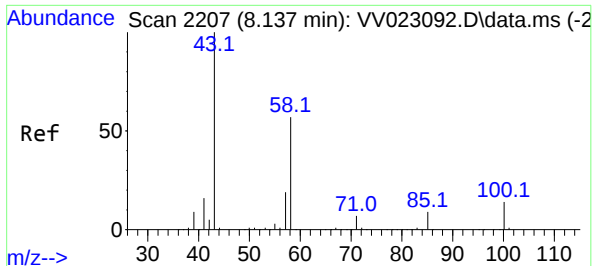
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.6	120.0
131	81.1	62.9	116.7
166	132.4	88.4	164.2



Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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#48

2-Hexanone

Concen: 4.365 ug/L

RT: 8.153 min Scan# 2212

Delta R.T. 0.016 min

Lab File: VV023099.D

Acq: 29 Oct 2021 12:48

Tgt Ion: 43 Resp: 9969

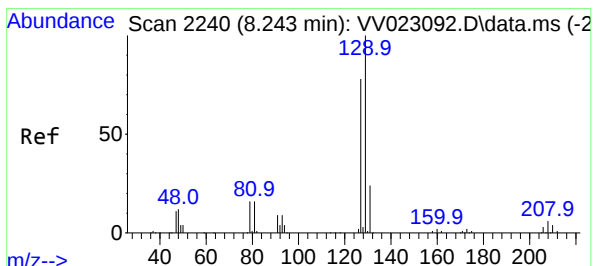
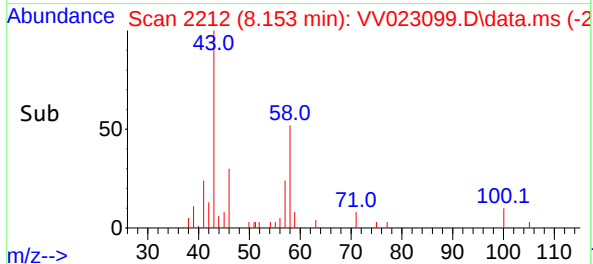
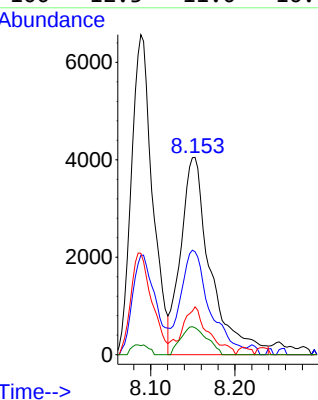
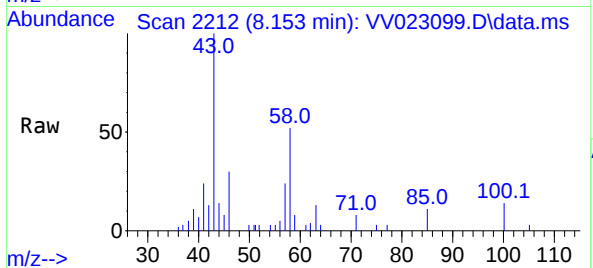
Ion Ratio Lower Upper

43 100

58 51.2 45.6 68.4

57 13.4 15.4 23.0#

100 12.3 11.0 16.4



#49

Dibromochloromethane

Concen: 1.826 ug/L

RT: 8.249 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VV023099.D

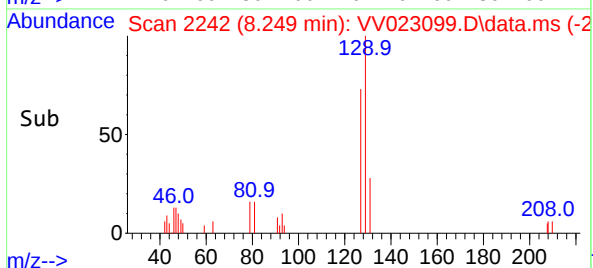
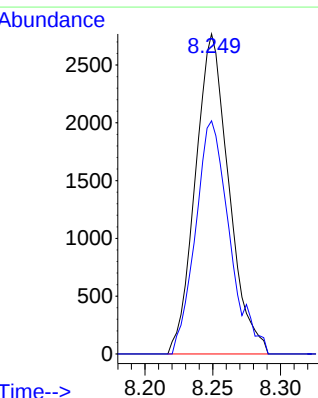
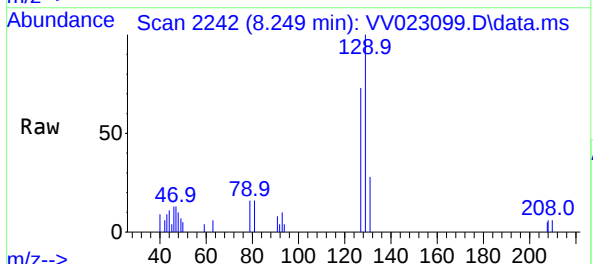
Acq: 29 Oct 2021 12:48

Tgt Ion: 129 Resp: 4751

Ion Ratio Lower Upper

129 100

127 72.8 53.9 100.1



Instrument :

MSVOA_V

ClientSampleId :

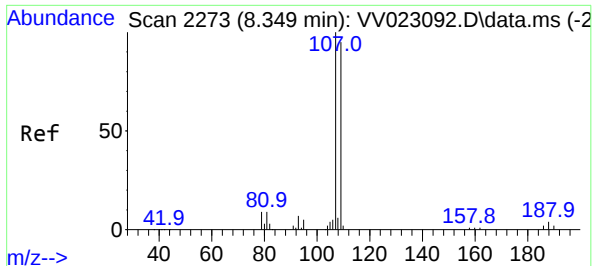
MDL03

Manual Integrations

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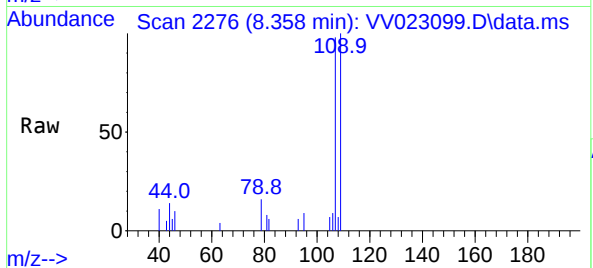
SAM

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#50
1,2-Dibromoethane
Concen: 1.708 ug/L
RT: 8.358 min Scan# 2276
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

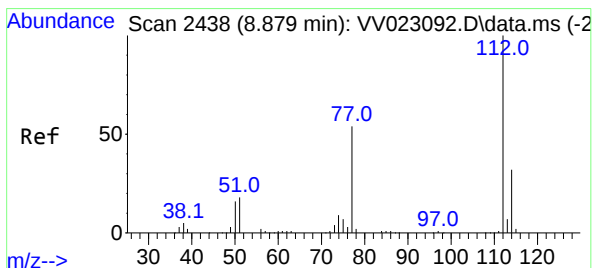
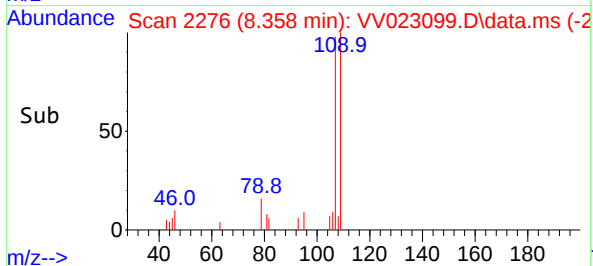
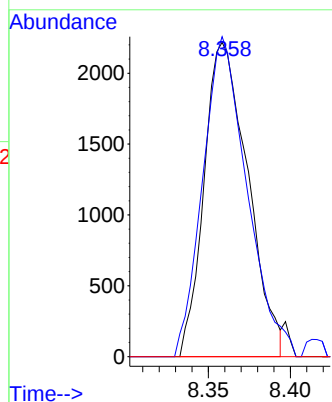
Instrument :
MSVOA_V
ClientSampled :
MDL03



Tgt Ion:107 Resp: 4096
Ion Ratio Lower Upper
107 100
109 101.8 67.3 124.9
188 0.0 3.3 4.9#

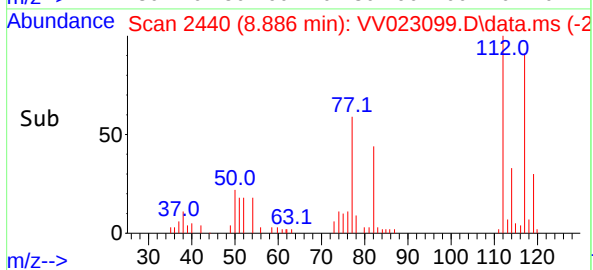
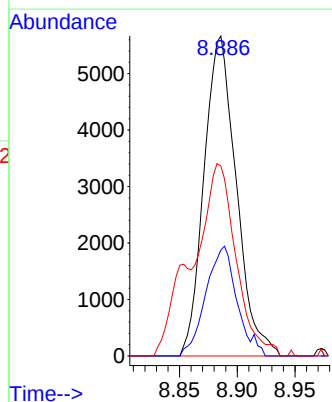
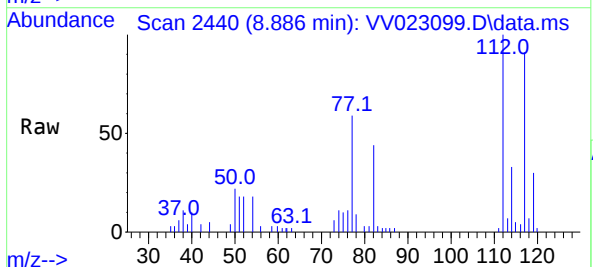
Manual Integrations
APPROVED

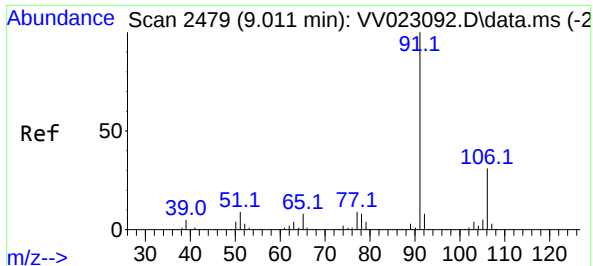
SAM
11/1/2021 6:39:31 PM



#51
Chlorobenzene
Concen: 1.794 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:112 Resp: 11007
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 59.4 44.6 67.0





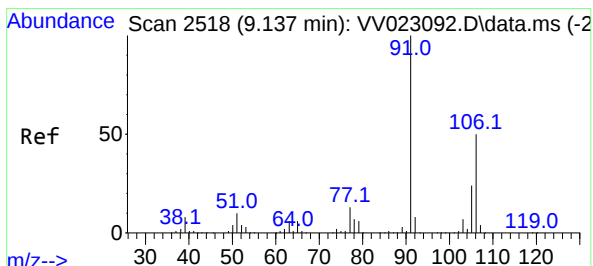
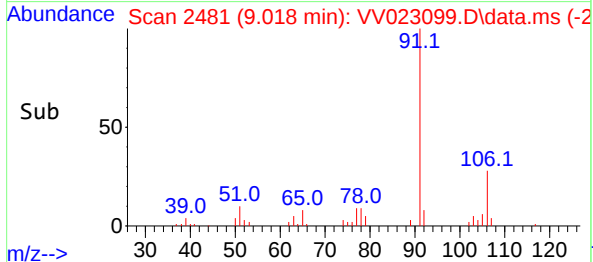
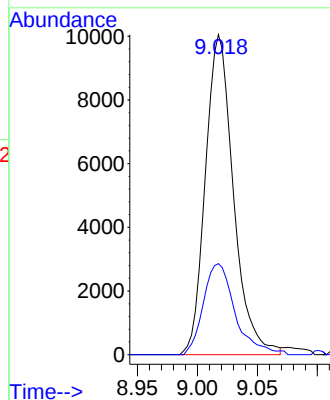
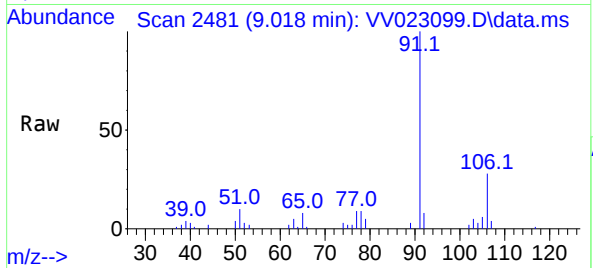
#52
Ethylbenzene
Concen: 1.695 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 91 Resp: 16376
Ion Ratio Lower Upper
91 100
106 28.4 21.8 40.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

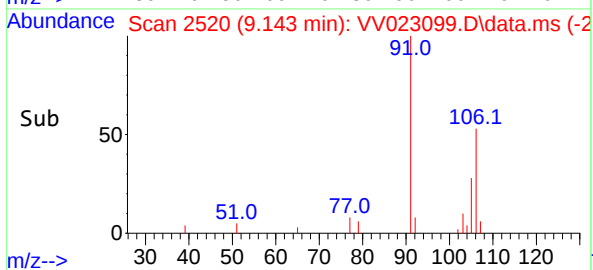
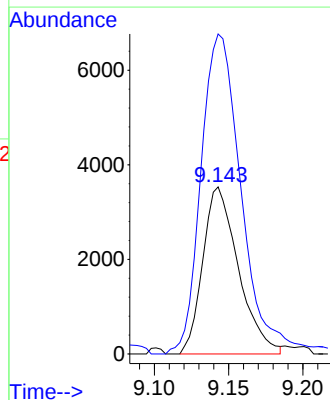
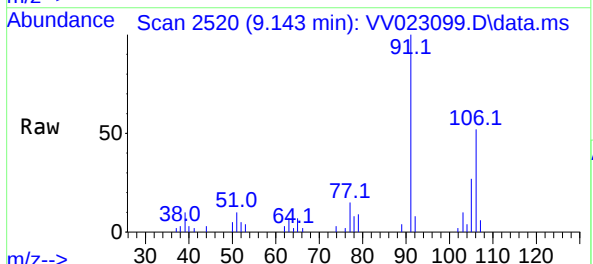
Manual Integrations
APPROVED

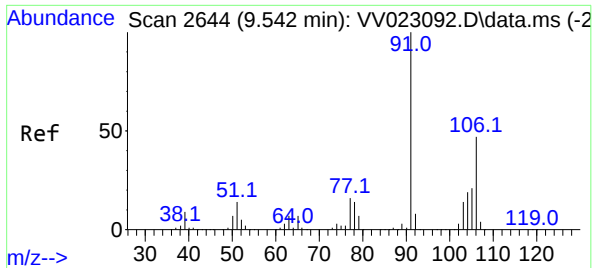
SAM
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#53
m,p-Xylene
Concen: 1.582 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion: 106 Resp: 5894
Ion Ratio Lower Upper
106 100
91 191.6 137.3 254.9





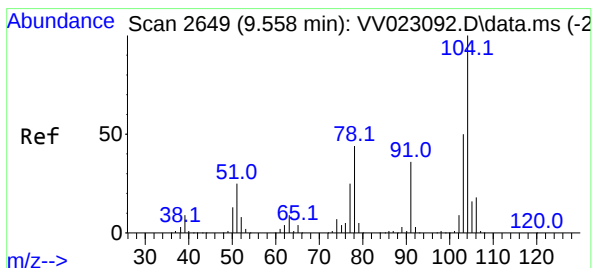
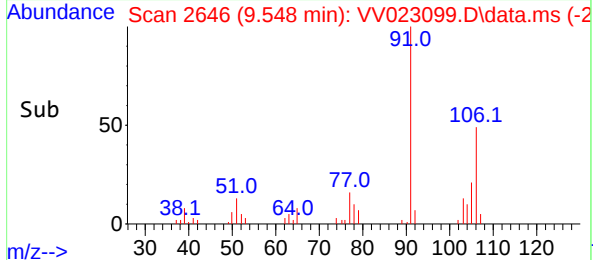
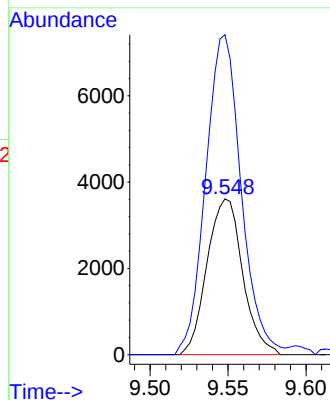
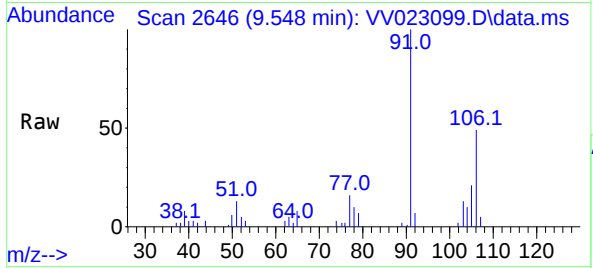
#54
o-Xylene
Concen: 1.584 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:106 Resp: 5744
Ion Ratio Lower Upper
106 100
91 205.4 145.0 269.4

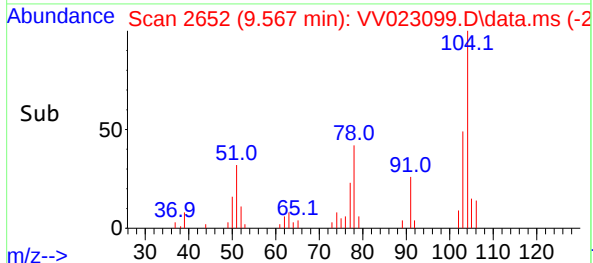
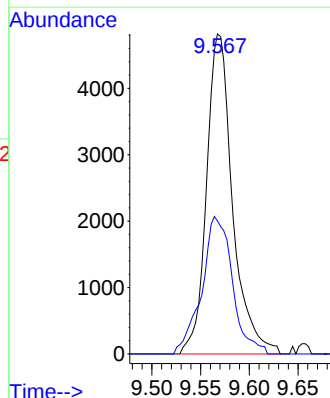
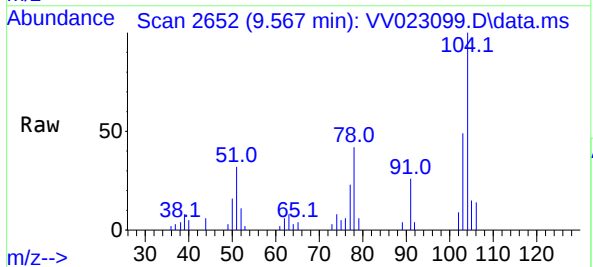
Manual Integrations
APPROVED

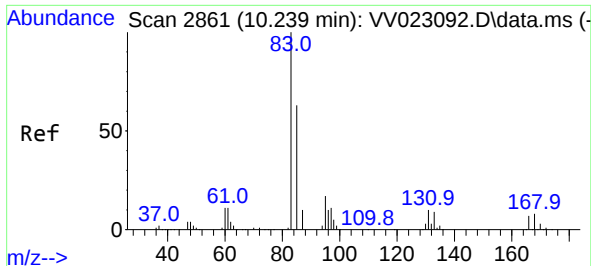
SAM
11/1/2021 6:39:31 PM



#55
Styrene
Concen: 1.422 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:104 Resp: 8962
Ion Ratio Lower Upper
104 100
78 41.5 29.8 55.4





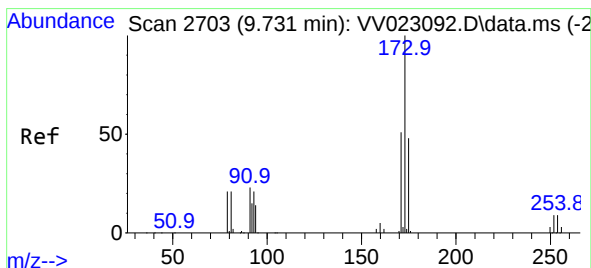
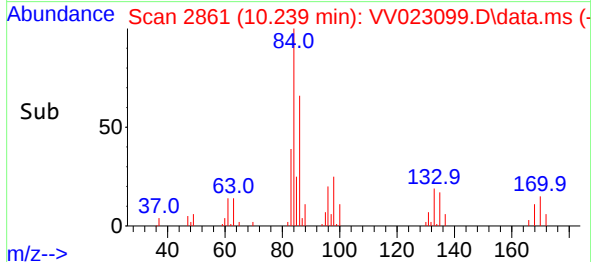
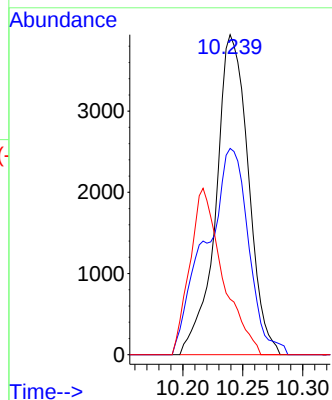
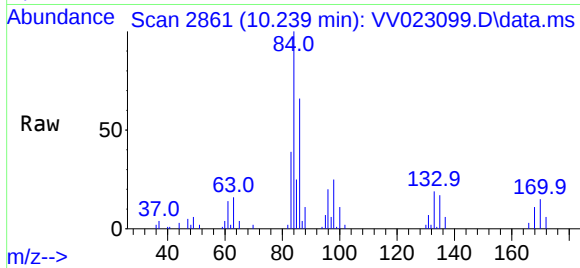
#57
1,1,2,2-Tetrachloroethane
Concen: 2.041 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	83	Resp:	7413
Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.7	83.1
131	17.4	7.8	11.8#

Instrument :
MSVOA_V
ClientSampled :
MDL03

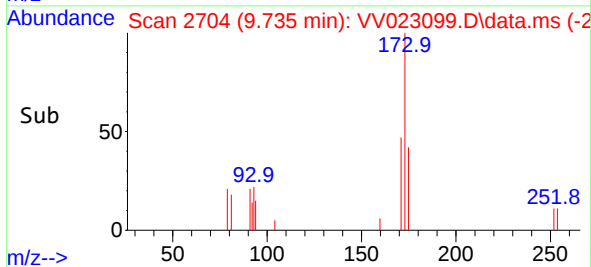
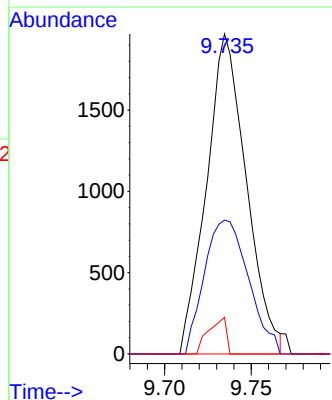
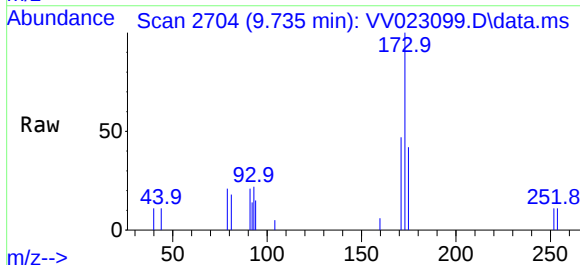
Manual Integrations
APPROVED

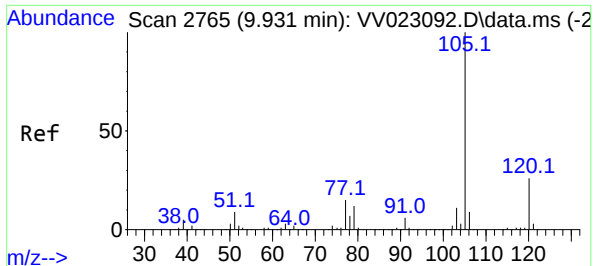
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#59
Bromoform
Concen: 1.794 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	173	Resp:	3144
Ion	Ratio	Lower	Upper
173	100		
175	46.4	39.3	58.9
254	5.1	7.2	10.8#





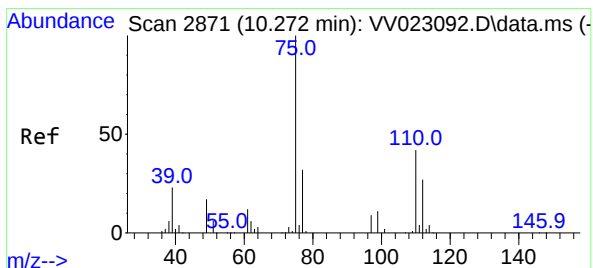
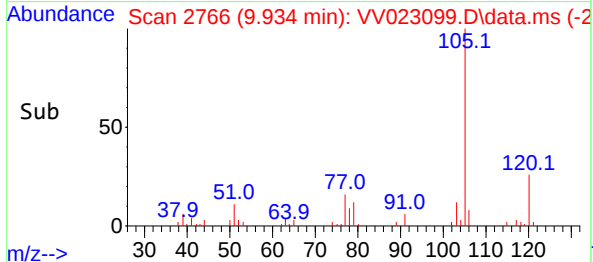
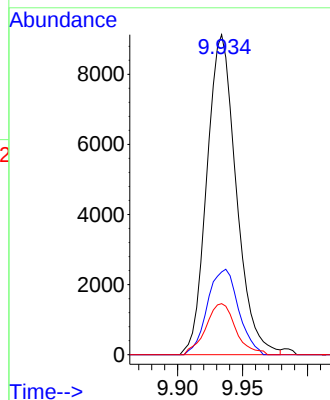
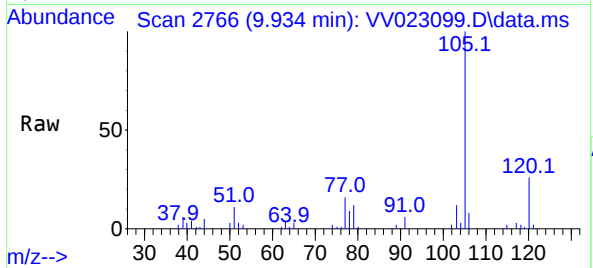
#60
Isopropylbenzene
Concen: 1.620 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	105	Resp:	14340
Ion	Ratio	Lower	Upper
105	100		
120	28.2	21.0	31.6
77	16.3	12.2	18.2

Instrument :
MSVOA_V
ClientSampled :
MDL03

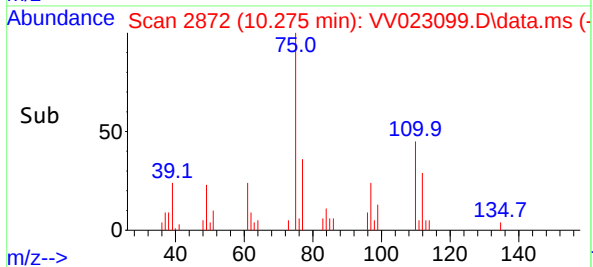
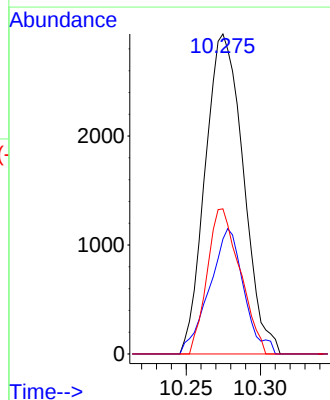
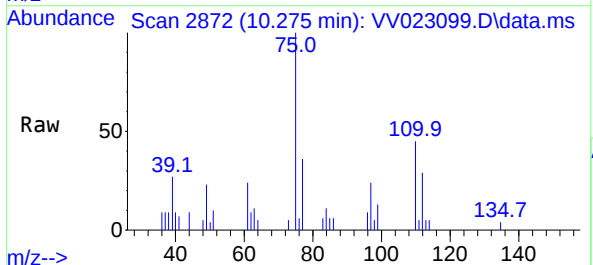
Manual Integrations
APPROVED

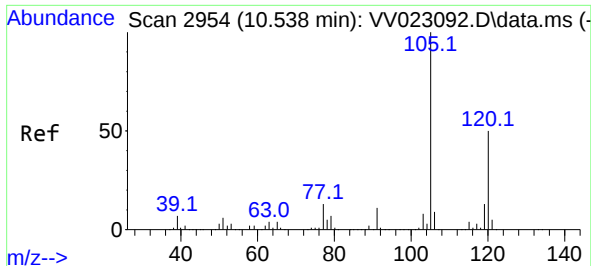
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#61
1,2,3-Trichloropropane
Concen: 2.016 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	75	Resp:	5236
Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.6	38.4
110	39.2	33.1	49.7





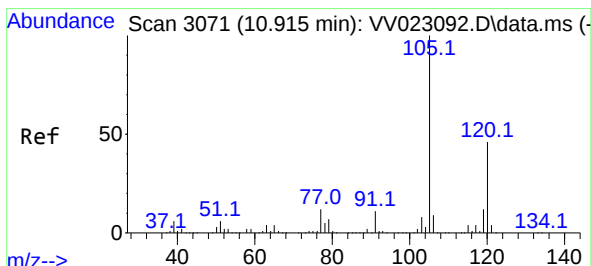
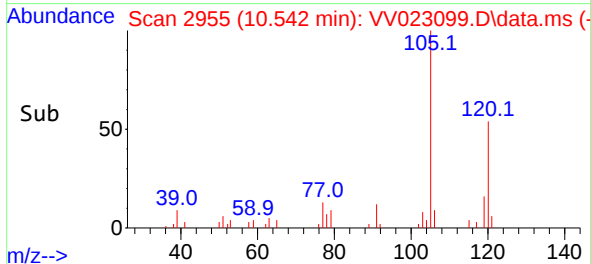
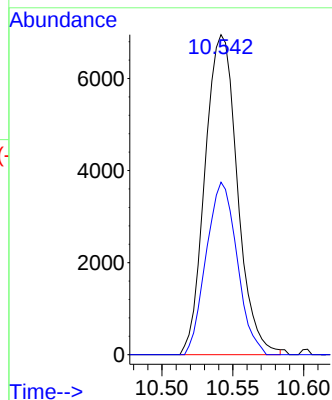
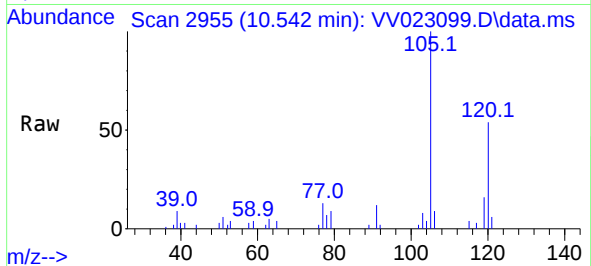
#62
1,3,5-Trimethylbenzene
Concen: 1.516 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:105 Resp: 11056
Ion Ratio Lower Upper
105 100
120 51.3 39.6 59.4

Instrument :
MSVOA_V
ClientSampleId :
MDL03

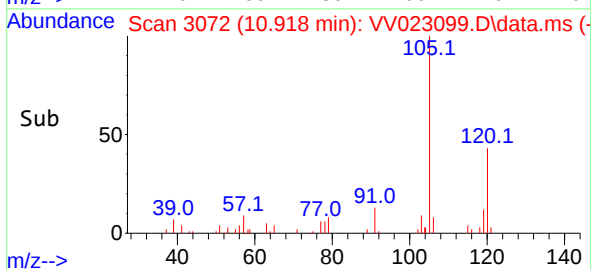
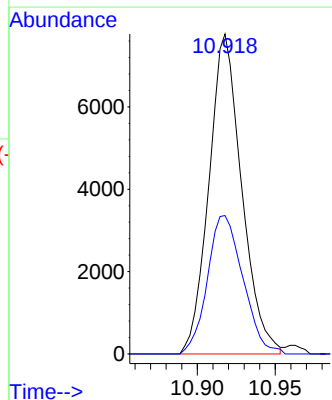
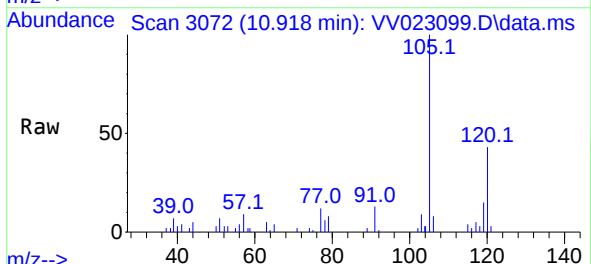
Manual Integrations
APPROVED

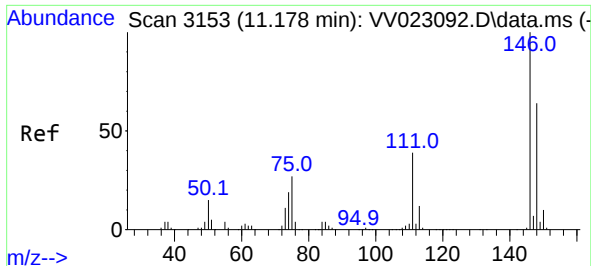
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#63
1,2,4-Trimethylbenzene
Concen: 1.551 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:105 Resp: 11353
Ion Ratio Lower Upper
105 100
120 46.8 37.1 55.7





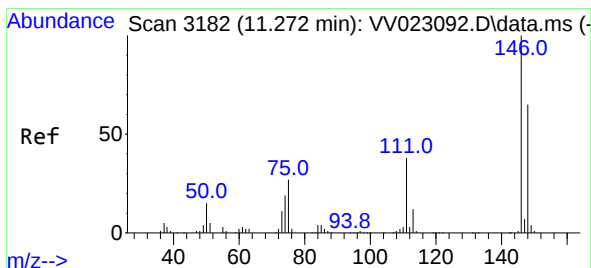
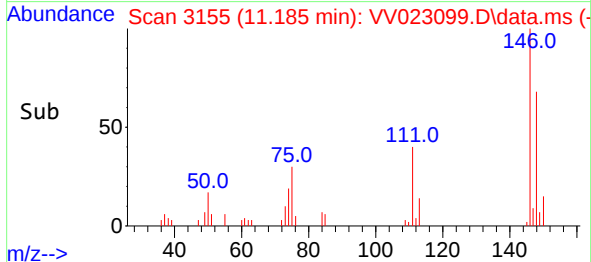
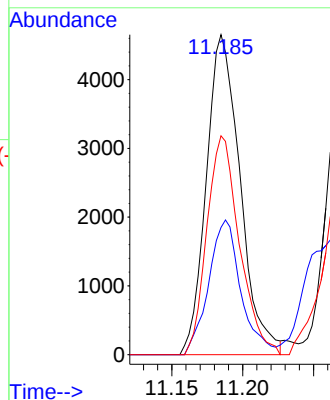
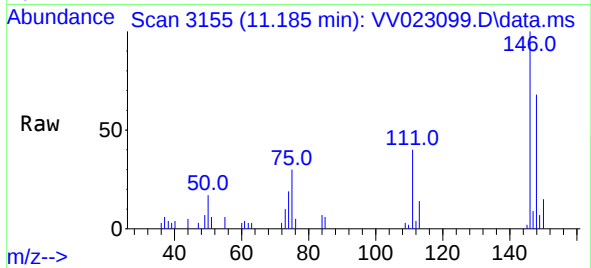
#64
1,3-Dichlorobenzene
Concen: 1.730 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.006 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:146 Resp: 7742
Ion Ratio Lower Upper
146 100
111 39.7 27.3 50.7
148 68.4 44.2 82.0

Instrument :
MSVOA_V
ClientSampled :
MDL03

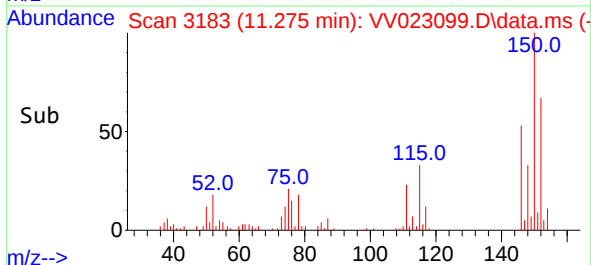
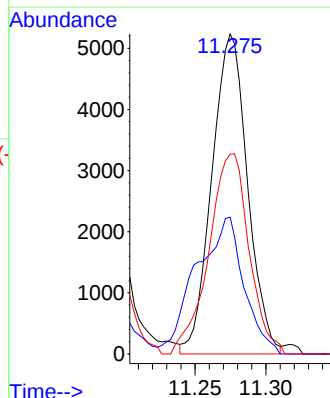
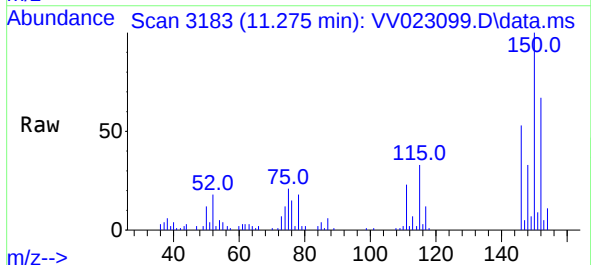
Manual Integrations
APPROVED

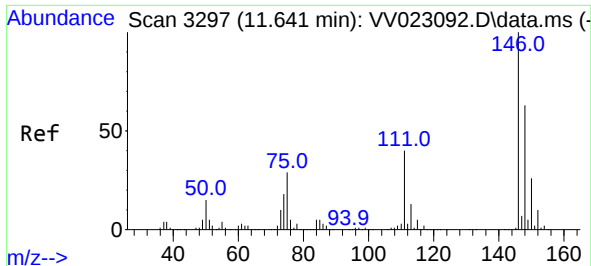
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#65
1,4-Dichlorobenzene
Concen: 1.966 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:146 Resp: 9164
Ion Ratio Lower Upper
146 100
111 42.7 26.0 48.2
148 62.4 44.7 82.9





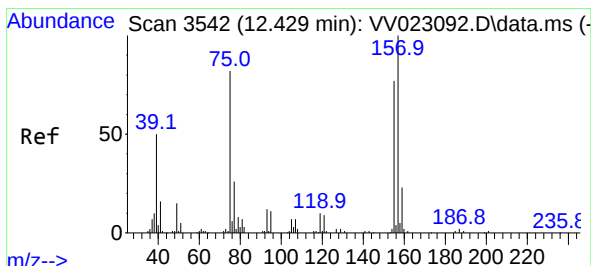
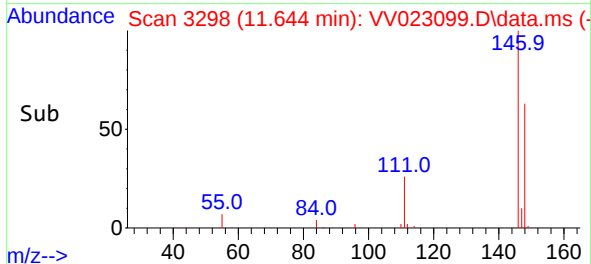
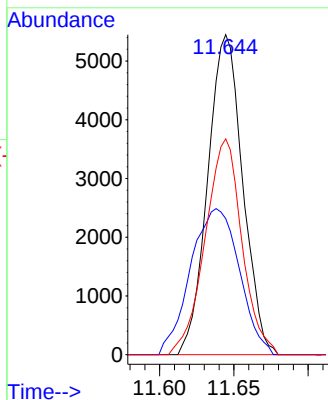
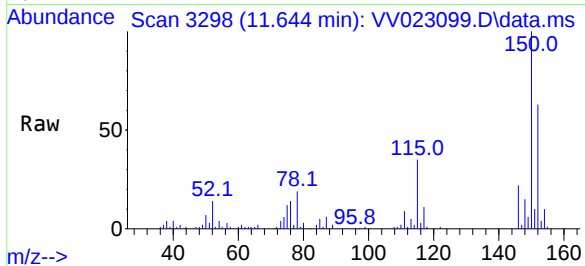
#67
1,2-Dichlorobenzene
Concen: 1.972 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:	146	Resp:	8925
Ion Ratio	Lower	Upper	
146	100		
111	42.5	32.2	48.2
148	67.5	51.8	77.8

Instrument :
MSVOA_V
ClientSampled :
MDL03

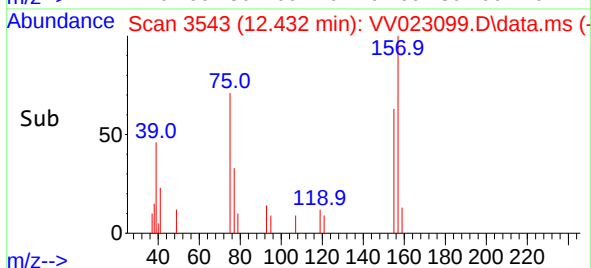
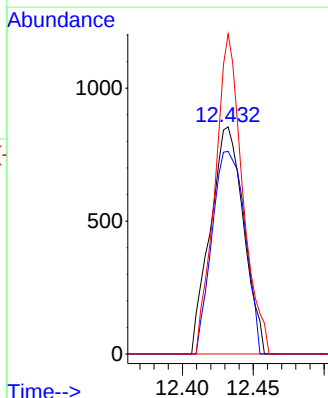
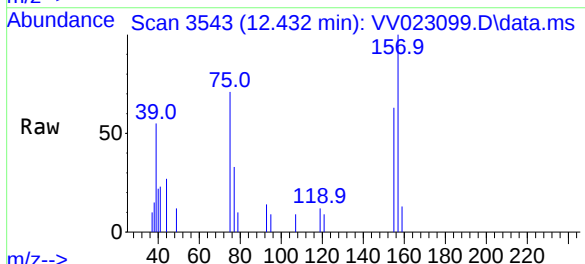
Manual Integrations
APPROVED

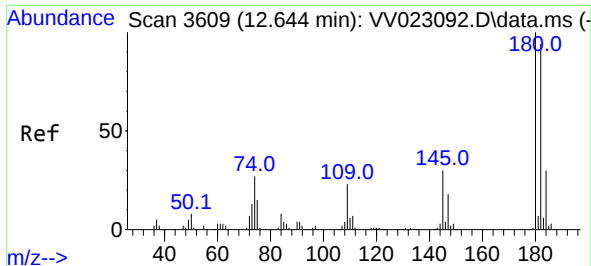
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#68
1,2-Dibromo-3-chloropropane
Concen: 1.926 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

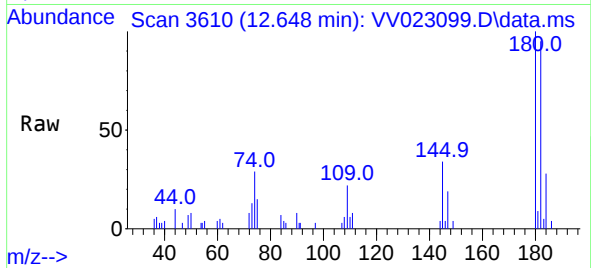
Tgt Ion:	75	Resp:	1396
Ion Ratio	Lower	Upper	
75	100		
155	89.2	75.7	113.5
157	141.0	96.4	144.6





#69
1,3,5-Trichlorobenzene
Concen: 1.894 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

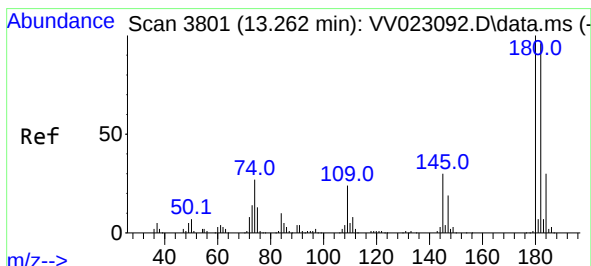
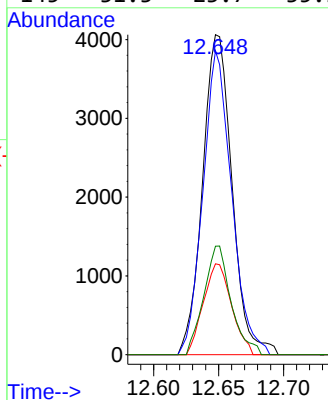
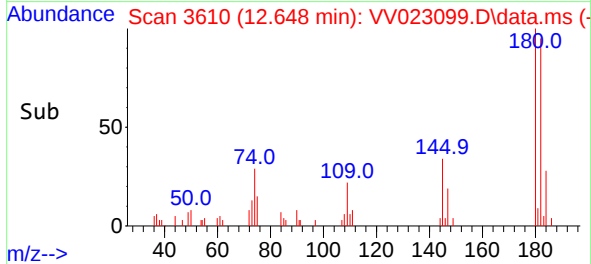
Instrument :
MSVOA_V
ClientSampled :
MDL03



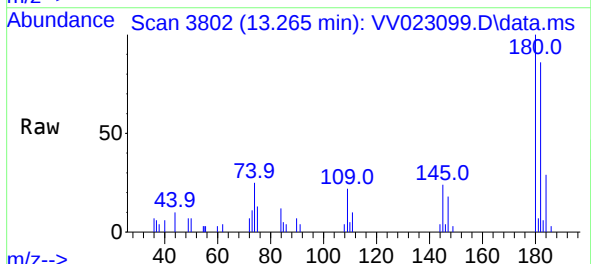
Tgt Ion:180 Resp: 6412
Ion Ratio Lower Upper
180 100
182 92.4 76.6 115.0
184 27.1 24.6 36.8
145 31.3 23.7 35.5

Manual Integrations
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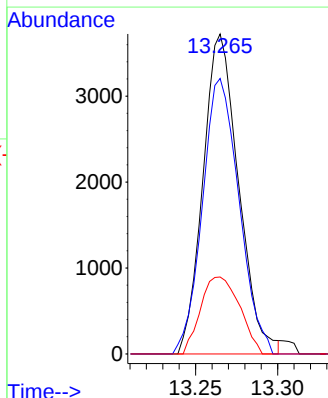
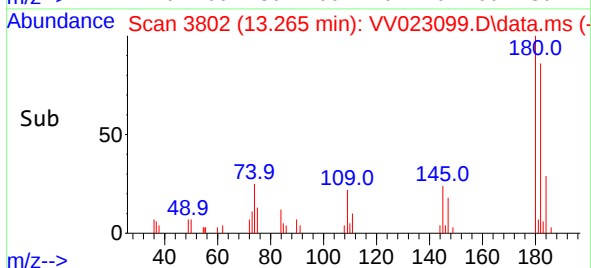
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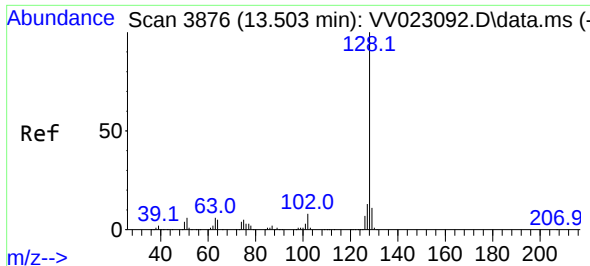


#70
1,2,4-trichlorobenzene
Concen: 1.909 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48



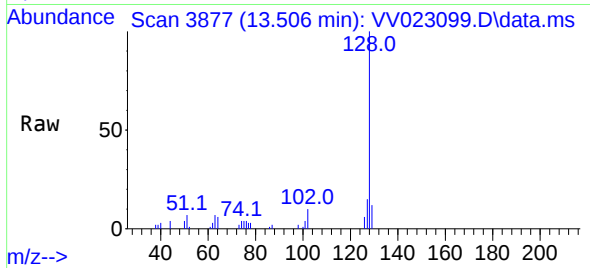
Tgt Ion:180 Resp: 5602
Ion Ratio Lower Upper
180 100
182 88.8 77.2 115.8
145 26.4 23.8 35.6





#71
Naphthalene
Concen: 1.499 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

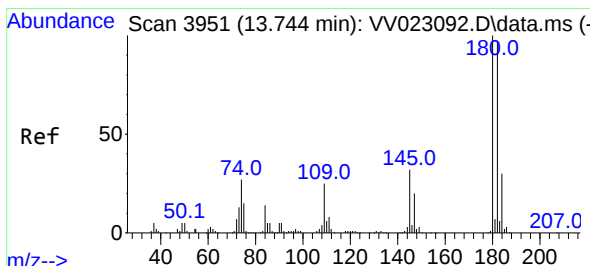
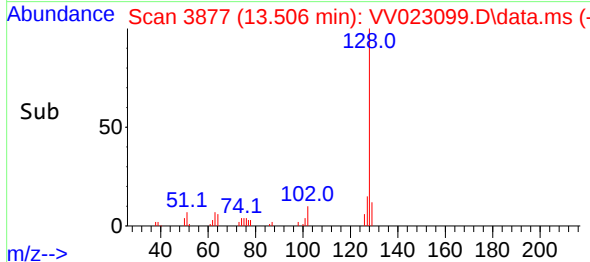
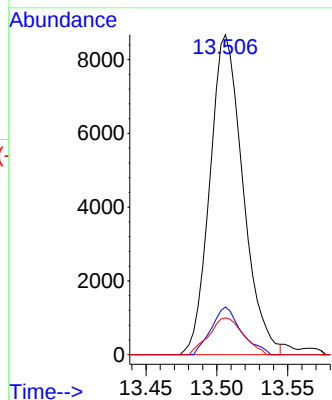
Instrument :
MSVOA_V
ClientSampled :
MDL03



Tgt Ion:128 Resp: 14116
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.9 8.7 13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.591 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VV023099.D
Acq: 29 Oct 2021 12:48

Tgt Ion:180 Resp: 4934
Ion Ratio Lower Upper
180 100
182 105.0 77.0 115.4
145 35.3 26.4 39.6

