

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102921\
 Data File : VW023102.D
 Acq On : 29 Oct 2021 13:59
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Quant Time: Oct 30 00:48:24 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	5.619	114	262797	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	258122	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	130476	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	80451	44.421	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.840%
7) Chloroethane-d5	1.564	69	63342	44.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.680%
11) 1,1-Dichloroethene-d2	2.108	63	117263	34.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.360%
21) 2-Butanone-d5	3.879	46	149973	110.525	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.530%
24) Chloroform-d	4.349	84	176314	46.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.034	65	113573	50.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.780%
32) Benzene-d6	5.050	84	342870	48.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.980%
36) 1,2-Dichloropropane-d6	6.072	67	112319	49.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.800%
41) Toluene-d8	7.317	98	307050	47.596	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.622	79	51773	47.988	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.980%
47) 2-Hexanone-d5	8.088	63	106100	108.525	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.530%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	162809	49.487	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.980%
66) 1,2-Dichlorobenzene-d4	11.625	152	129324	51.384	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.760%

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5223	2.091	ug/L	99
3) Chloromethane	1.240	50	5007	2.125	ug/L	96
5) Vinyl chloride	1.310	62	4946	2.101	ug/L #	71
6) Bromomethane	1.523	94	2768	2.093	ug/L	93
8) Chloroethane	1.584	64	2930	2.044	ug/L	92
9) Trichlorofluoromethane	1.751	101	7143	1.999	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	4836	2.549	ug/L #	81
12) 1,1-Dichloroethene	2.117	96	4488	2.550	ug/L #	1
13) Acetone	2.172	43	5131	3.815	ug/L #	73
14) Carbon disulfide	2.294	76	10798	2.051	ug/L	97
15) Methyl Acetate	2.436	43	4580	2.052	ug/L	100
16) Methylene chloride	2.510	84	5340	2.368	ug/L	96
17) trans-1,2-Dichloroethene	2.764	96	4211	2.096	ug/L	92
18) Methyl tert-butyl Ether	2.770	73	11856	1.965	ug/L	96
19) 1,1-Dichloroethane	3.195	63	7624	2.037	ug/L	99
20) cis-1,2-Dichloroethene	3.918	96	4896	2.280	ug/L	95
22) 2-Butanone	3.998	43	7159m	4.670	ug/L	
23) Bromochloromethane	4.252	128	2513	2.077	ug/L	80
25) Chloroform	4.378	83	8817	2.291	ug/L	76

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

27) 1,2-Dichloroethane	5.143	62	6392m	2.212	ug/L	
29) Cyclohexane	4.680	56	5776	1.917	ug/L #	47
30) 1,1,1-Trichloroethane	4.609	97	6994	2.033	ug/L	98
31) Carbon tetrachloride	4.831	117	5870	1.899	ug/L	96
33) Benzene	5.108	78	15150	1.884	ug/L	100
34) Trichloroethene	5.928	95	4051	1.928	ug/L	93
35) Methylcyclohexane	6.127	83	6298	1.923	ug/L	98
37) 1,2-Dichloropropane	6.182	63	4532	2.145	ug/L #	90
38) Bromodichloromethane	6.516	83	5763	2.015	ug/L	96
39) cis-1,3-Dichloropropene	7.037	75	6225m	1.942	ug/L	
40) 4-Methyl-2-pentanone	7.233	43	10861	3.985	ug/L	95
42) Toluene	7.394	91	22061	2.563	ug/L	94
44) trans-1,3-Dichloropropene	7.657	75	6037m	1.943	ug/L	
45) 1,1,2-Trichloroethane	7.847	97	4318	2.001	ug/L	98
46) Tetrachloroethene	7.982	164	3587	1.980	ug/L	94
48) 2-Hexanone	8.149	43	10063	4.650	ug/L	95
49) Dibromochloromethane	8.252	129	4915	1.993	ug/L	91
50) 1,2-Dibromoethane	8.358	107	4554	2.004	ug/L #	89
51) Chlorobenzene	8.886	112	12568	2.162	ug/L	96
52) Ethylbenzene	9.017	91	16809	1.836	ug/L	96
53) m,p-Xylene	9.143	106	6488	1.838	ug/L	91
54) o-Xylene	9.548	106	6008	1.749	ug/L	100
55) Styrene	9.567	104	9509	1.592	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.242	83	7836	2.277	ug/L	98
59) Bromoform	9.738	173	3276	1.985	ug/L	94
60) Isopropylbenzene	9.934	105	14694	1.763	ug/L	97
61) 1,2,3-Trichloropropane	10.275	75	5985	2.448	ug/L	96
62) 1,3,5-Trimethylbenzene	10.542	105	12160	1.771	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	12400	1.799	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	8703	2.065	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	9450	2.153	ug/L	93
67) 1,2-Dichlorobenzene	11.644	146	9401	2.206	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	12.435	75	1612	2.362	ug/L	91
69) 1,3,5-Trichlorobenzene	12.648	180	6641	2.084	ug/L	94
70) 1,2,4-trichlorobenzene	13.265	180	5858	2.121	ug/L	92
71) Naphthalene	13.506	128	16313	1.839	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	5753	1.970	ug/L	99

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

SAM

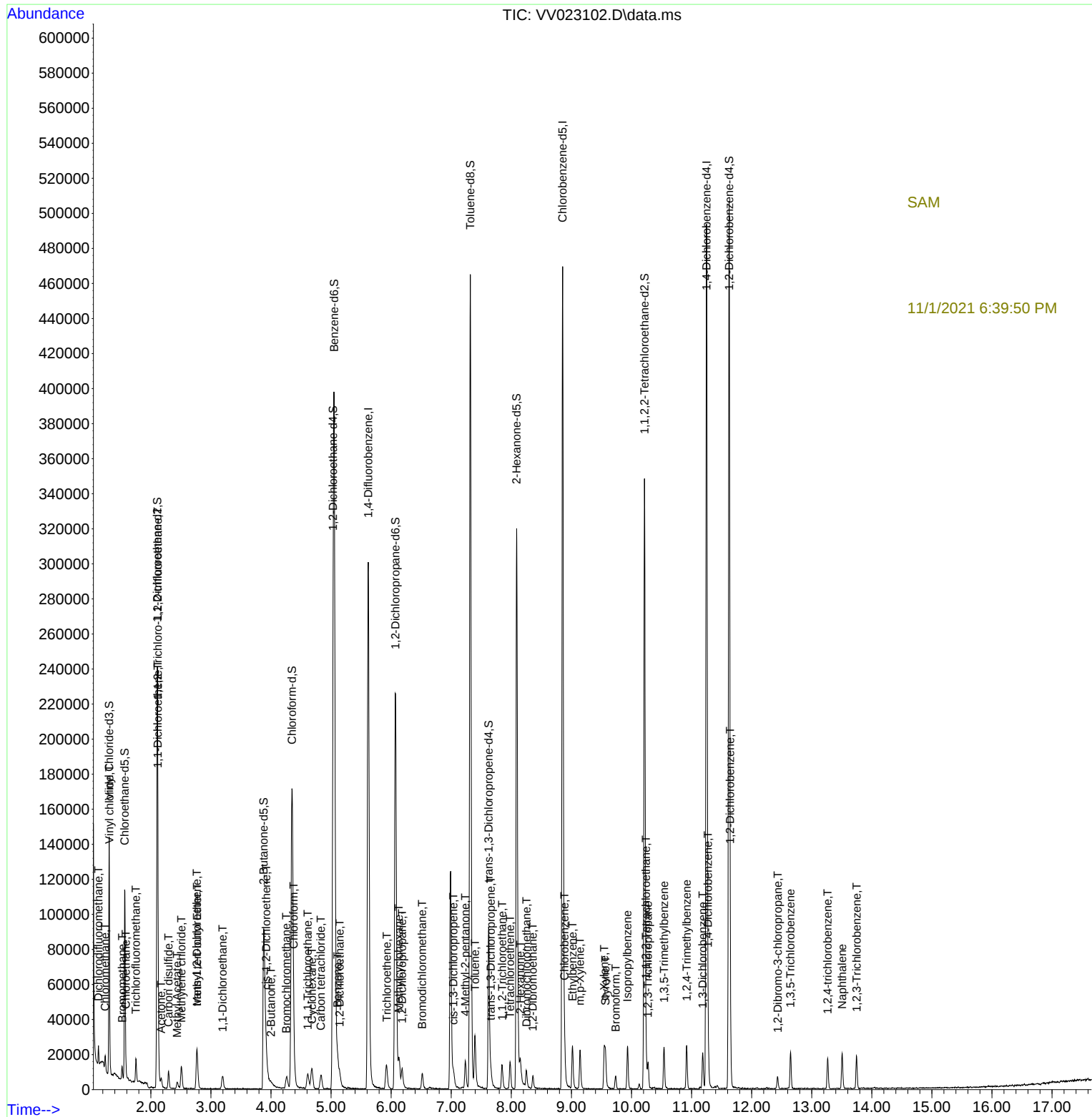
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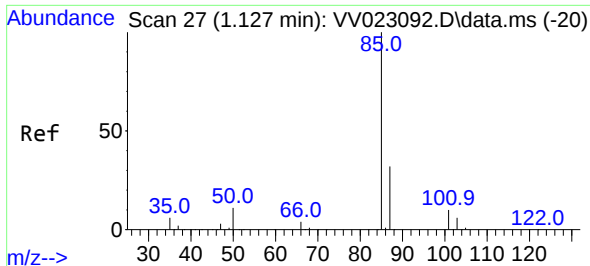
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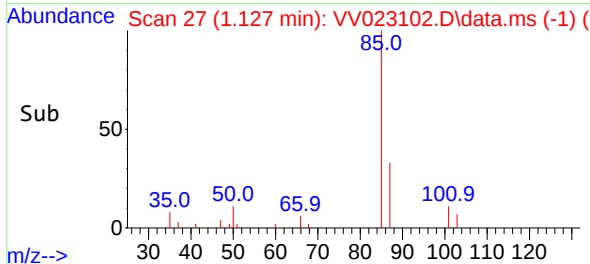
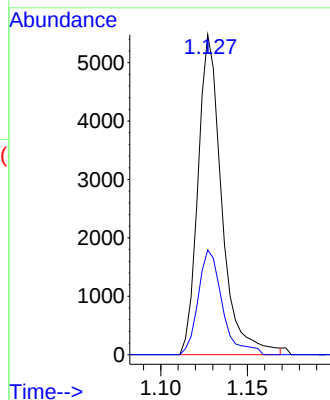
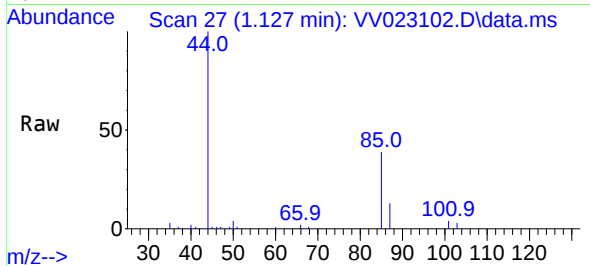


#2
Dichlorodifluoromethane
Concen: 2.091 ug/L
RT: 1.127 min Scan# 27
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 85 Resp: 5223
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.2

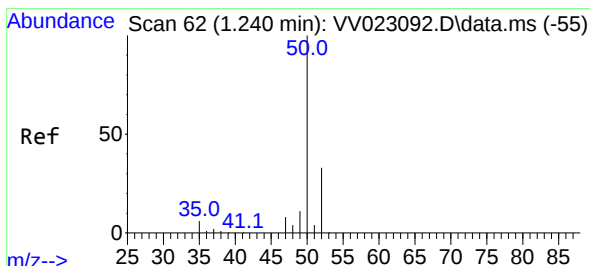
Instrument :
MSVOA_V
ClientSampled :
MDL03

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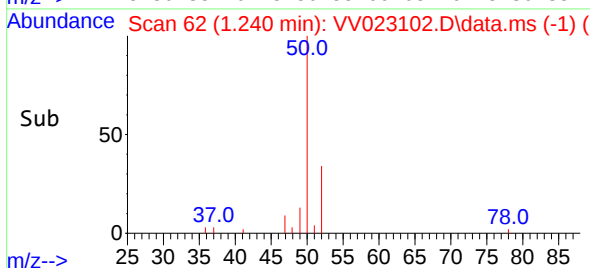
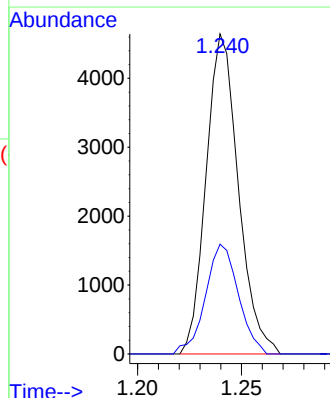
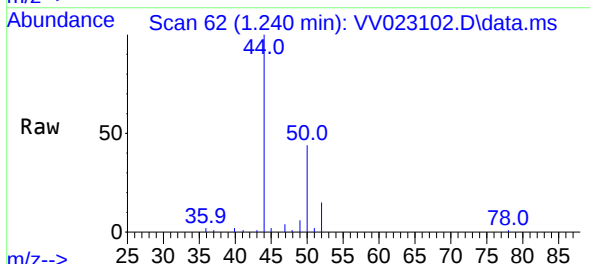
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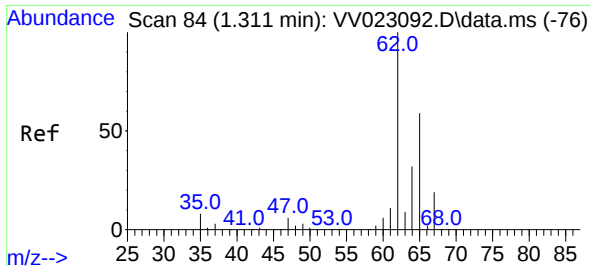
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#3
Chloromethane
Concen: 2.125 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 50 Resp: 5007
Ion Ratio Lower Upper
50 100
52 34.3 22.5 41.9



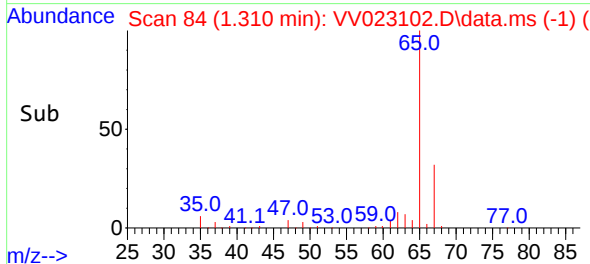
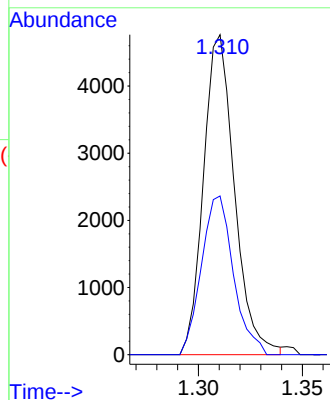
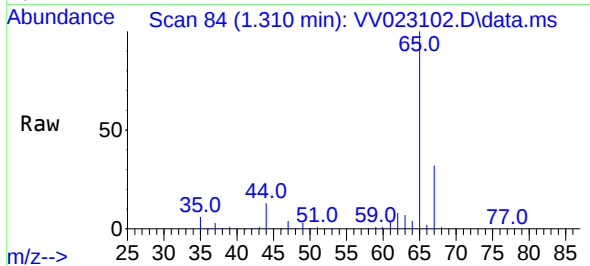


#5
Vinyl chloride
Concen: 2.101 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 62 Resp: 4946
Ion Ratio Lower Upper
62 100
64 49.6 23.4 43.4#

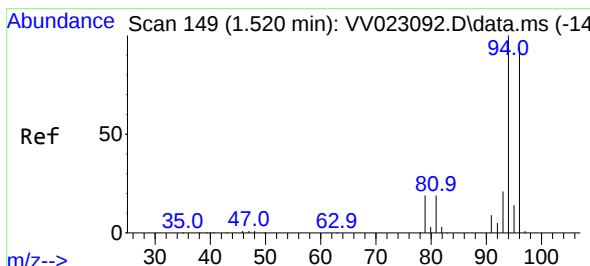
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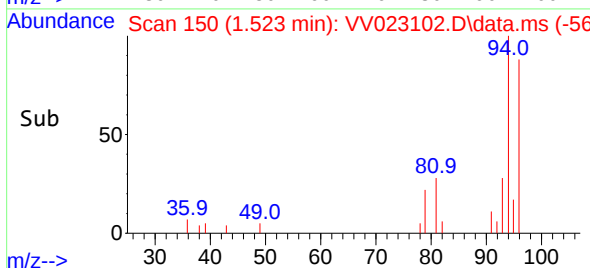
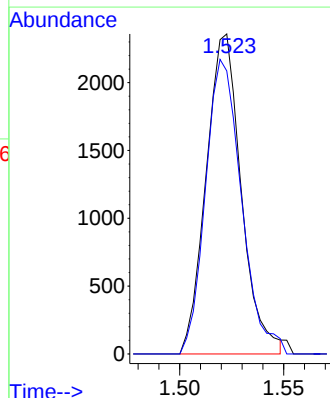
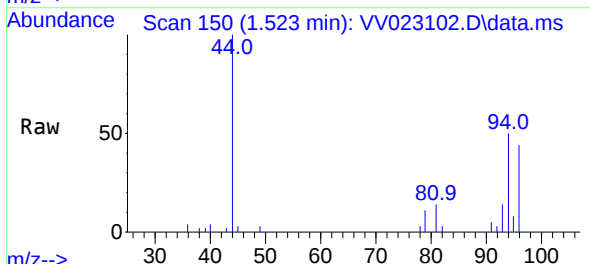
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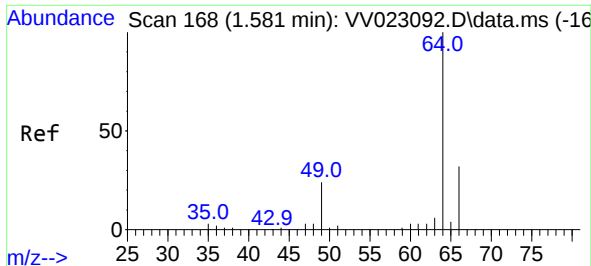
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#6
Bromomethane
Concen: 2.093 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 94 Resp: 2768
Ion Ratio Lower Upper
94 100
96 88.5 66.8 124.2



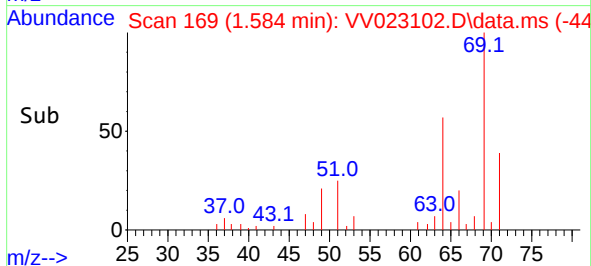
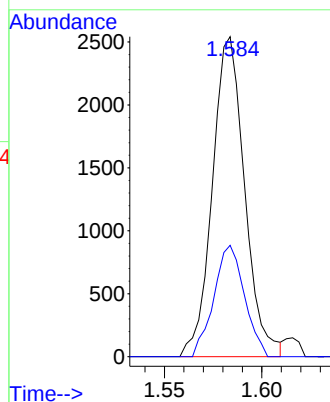
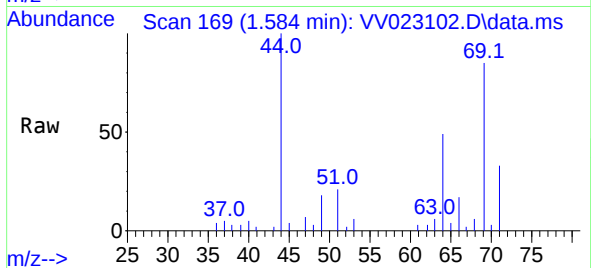


#8
Chloroethane
Concen: 2.044 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

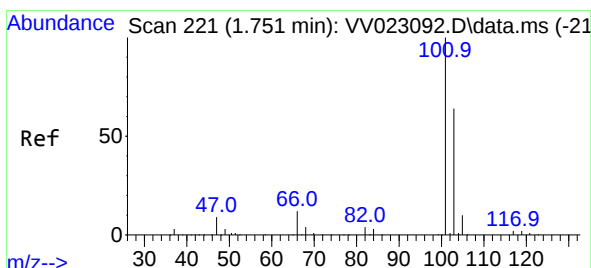
Tgt Ion: 64 Resp: 2930
Ion Ratio Lower Upper
64 100
66 34.8 21.3 39.6

Instrument :
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ClientSampled :
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Manual Integrations
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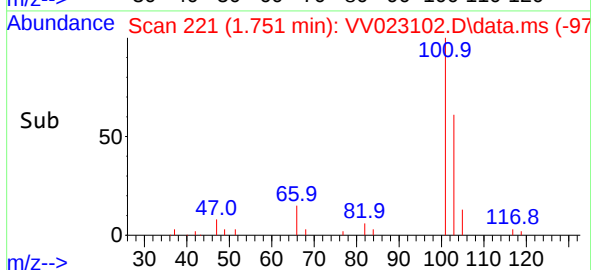
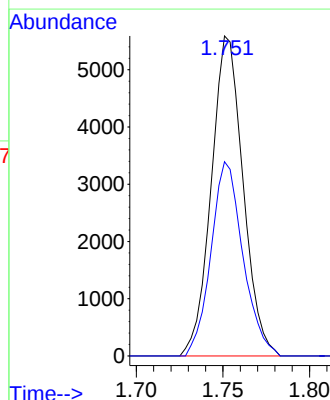
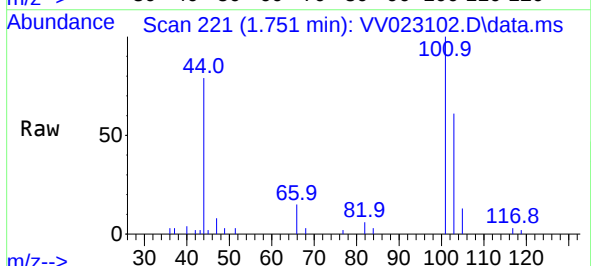
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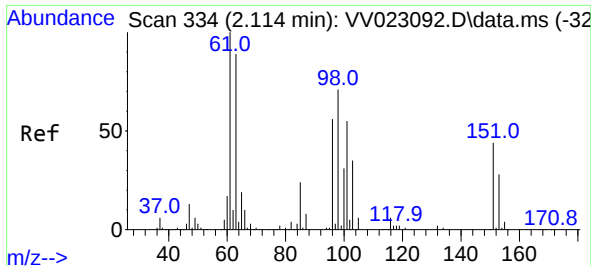


#9
Trichlorofluoromethane
Concen: 1.999 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:101 Resp: 7143
Ion Ratio Lower Upper
101 100
103 60.9 52.2 78.2

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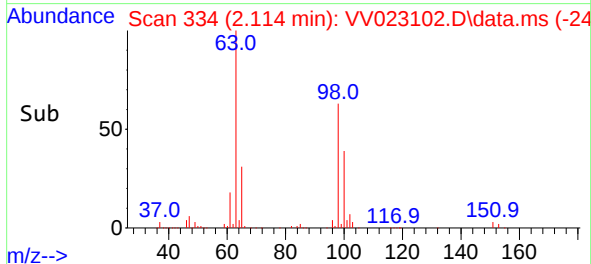
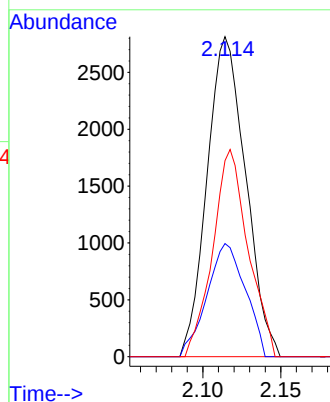
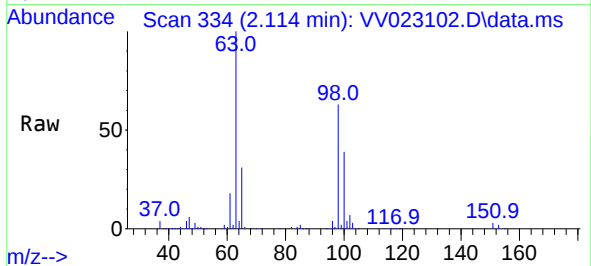


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.549 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

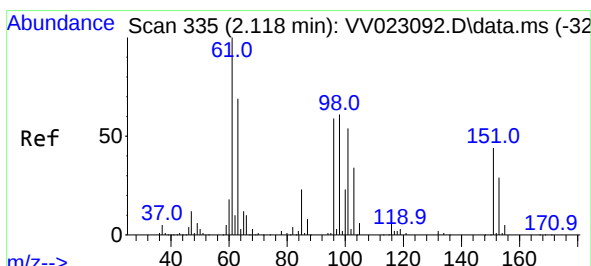
Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:101 Resp: 4836
Ion Ratio Lower Upper
101 100
85 35.1 35.1 52.7#
151 59.5 63.4 95.2#

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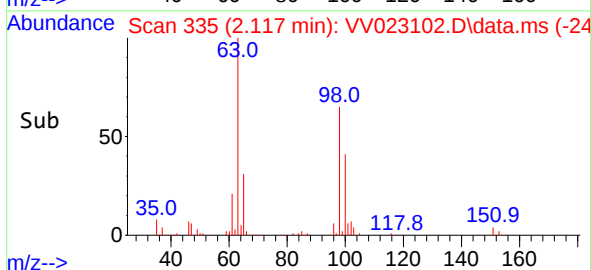
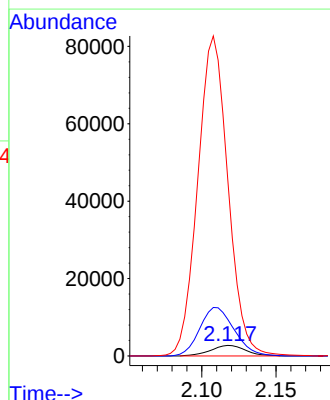
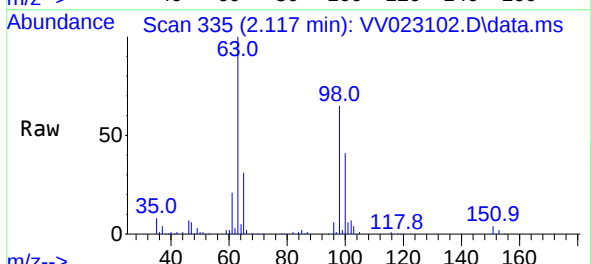
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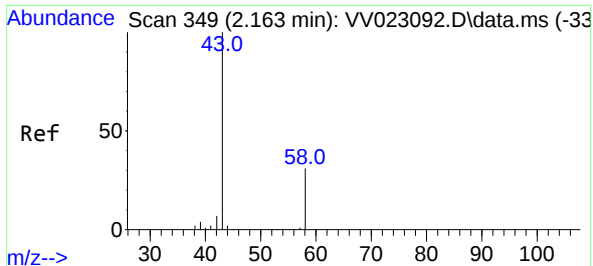


#12
1,1-Dichloroethene
Concen: 2.550 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

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Tgt Ion: 96 Resp: 4488
Ion Ratio Lower Upper
96 100
61 346.9 117.7 218.7#
63 1680.1 79.2 147.2#



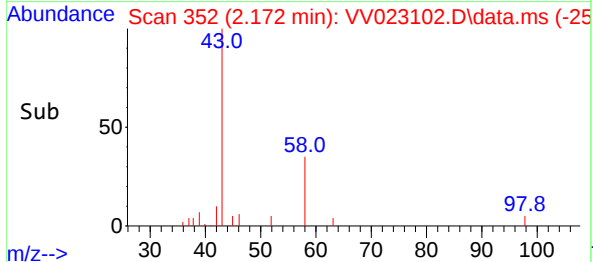
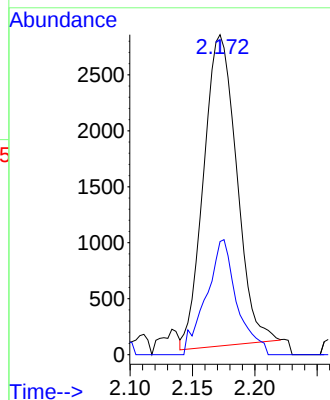
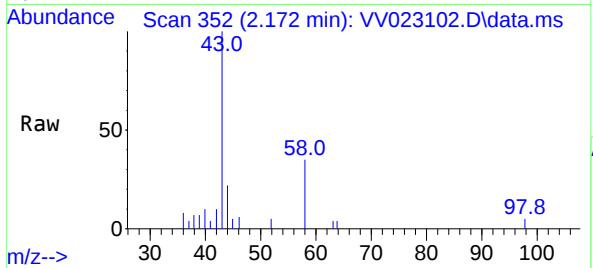


#13
Acetone
Concen: 3.815 ug/L
RT: 2.172 min Scan# 352
Delta R.T. 0.009 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 43 Resp: 5131
Ion Ratio Lower Upper
43 100
58 34.2 0.0 0.4#

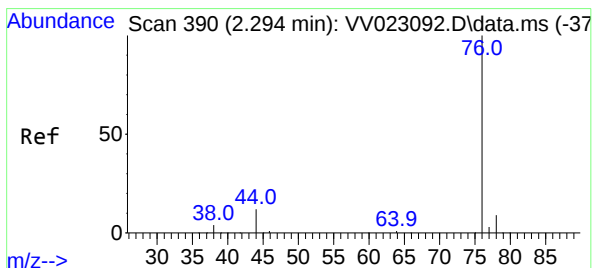
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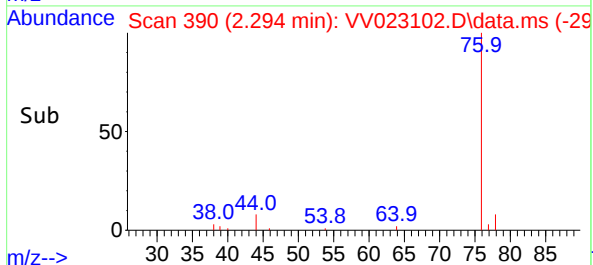
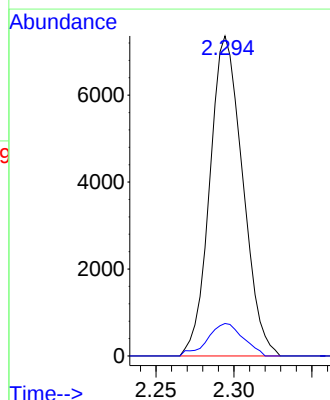
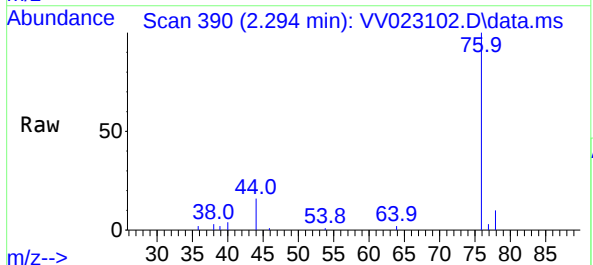
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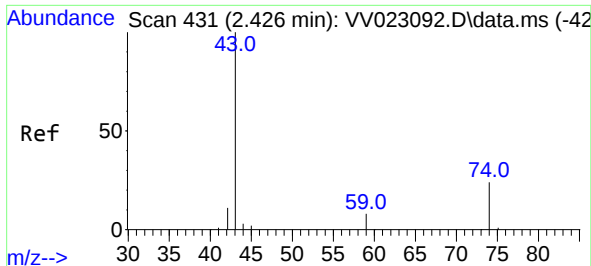
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#14
Carbon disulfide
Concen: 2.051 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 76 Resp: 10798
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0



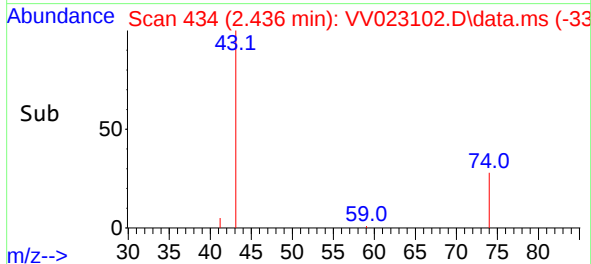
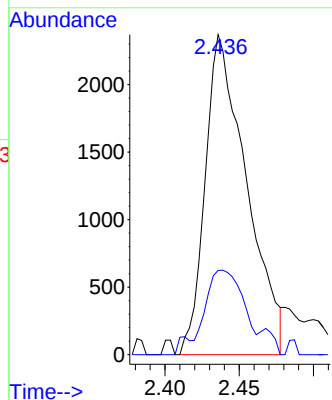
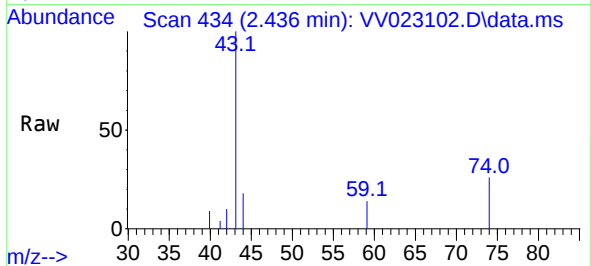


#15
Methyl Acetate
Concen: 2.052 ug/L
RT: 2.436 min Scan# 434
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

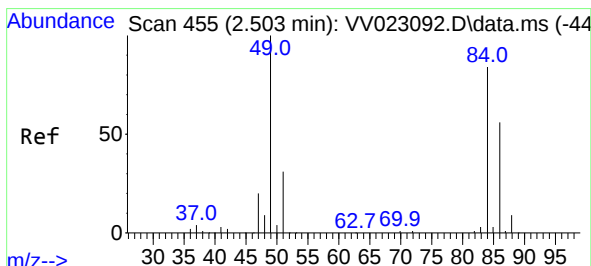
Tgt Ion: 43 Resp: 4580
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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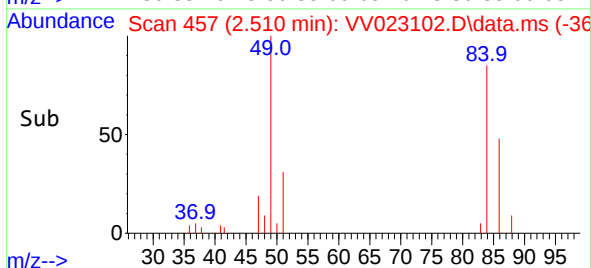
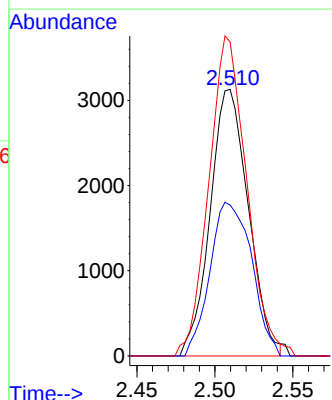
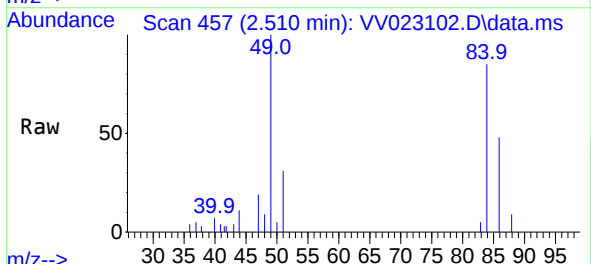
SAM

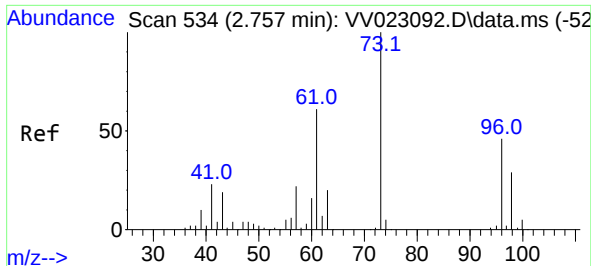


#16
Methylene chloride
Concen: 2.368 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 84 Resp: 5340
Ion Ratio Lower Upper
84 100
86 56.6 45.4 84.2
49 117.8 83.0 154.1

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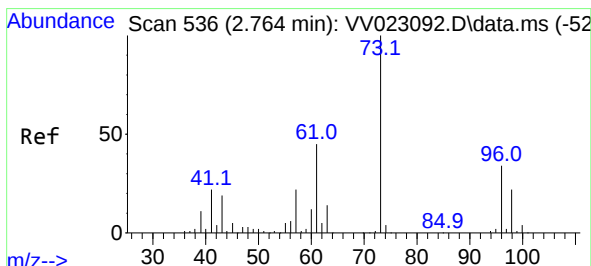
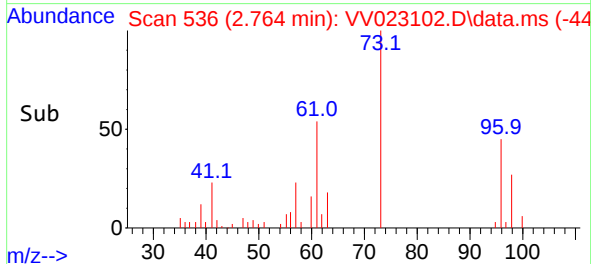
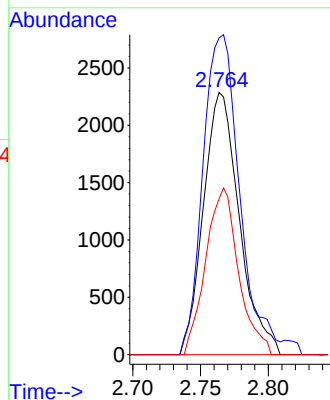
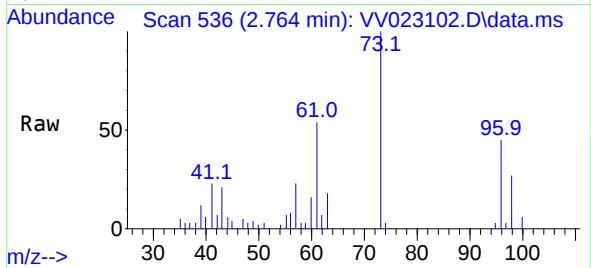


#17
trans-1,2-Dichloroethene
Concen: 2.096 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 96 Resp: 4211
Ion Ratio Lower Upper
96 100
61 120.8 92.2 171.2
98 59.4 44.1 81.9

Instrument :
MSVOA_V
ClientSampleId :
MDL03

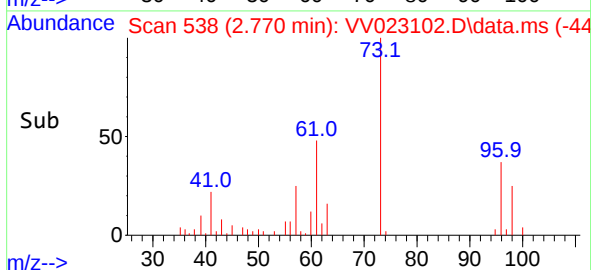
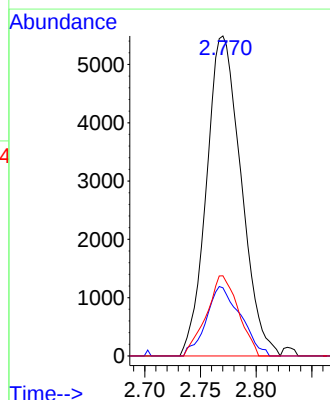
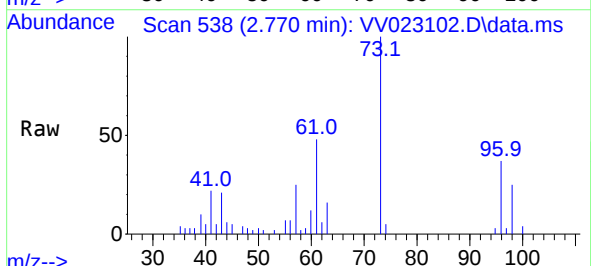
Manual Integrations
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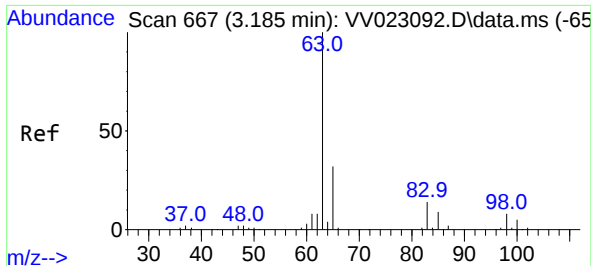


#18
Methyl tert-butyl Ether
Concen: 1.965 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 73 Resp: 11856
Ion Ratio Lower Upper
73 100
43 21.5 14.9 22.3
57 23.1 17.6 26.4

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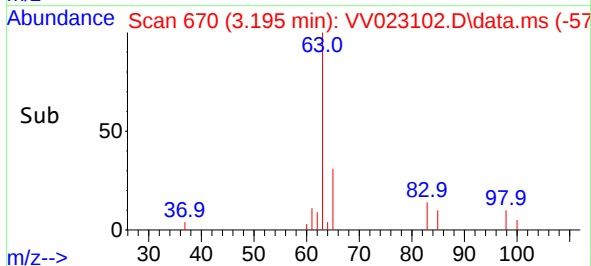
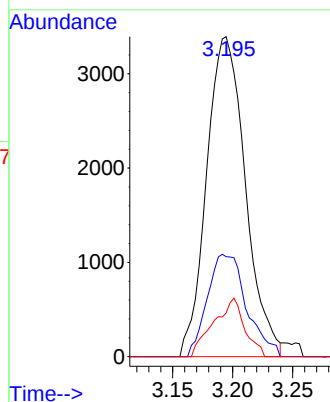
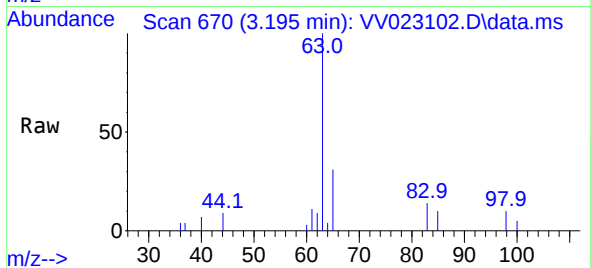


#19
1,1-Dichloroethane
Concen: 2.037 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

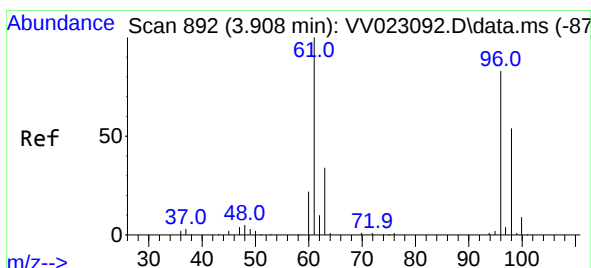
Tgt Ion:	63	Resp:	7624
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.3	41.5
83	13.6	9.8	18.2

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



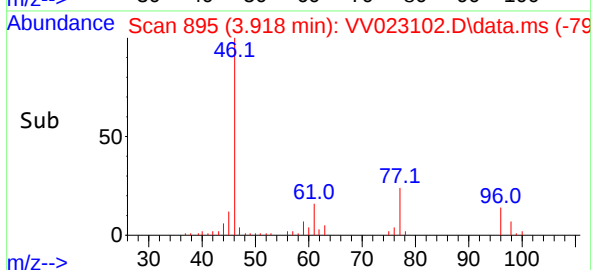
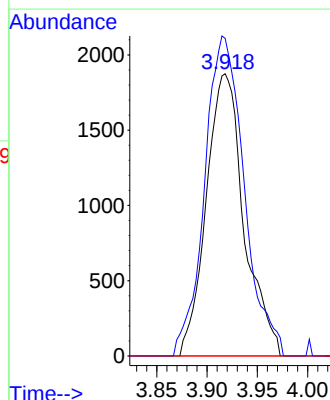
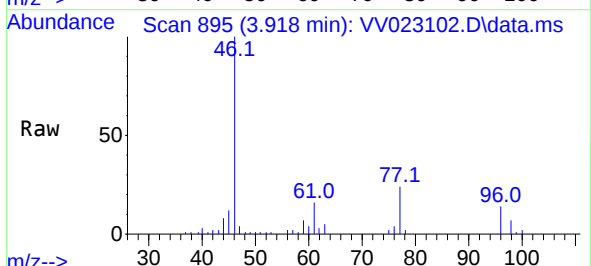
SAM

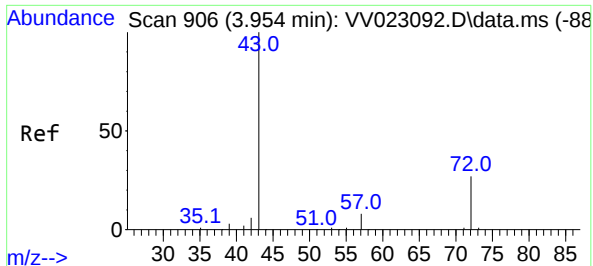


#20
cis-1,2-Dichloroethene
Concen: 2.280 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:	96	Resp:	4896
Ion	Ratio	Lower	Upper
96	100		
61	112.5	83.0	154.1
68	0.0	0.0	0.0

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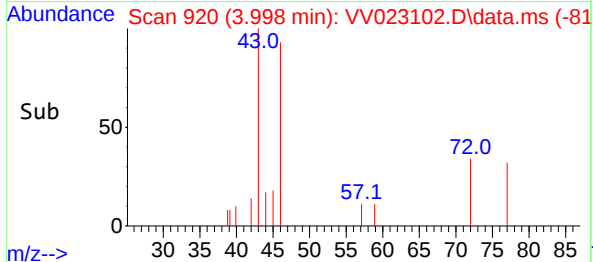
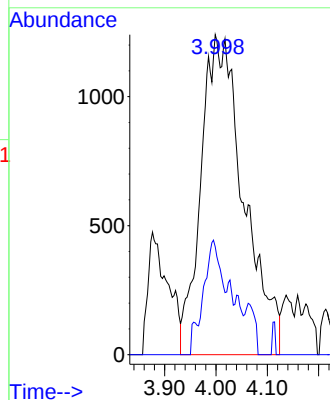
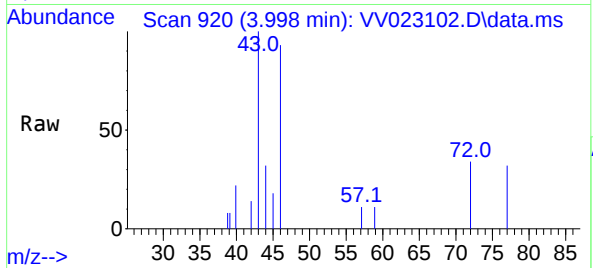


#22
2-Butanone
Concen: 4.670 ug/L m
RT: 3.998 min Scan# 920
Delta R.T. 0.045 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 43 Resp: 7159
Ion Ratio Lower Upper
43 100
72 1.6 13.4 40.1#

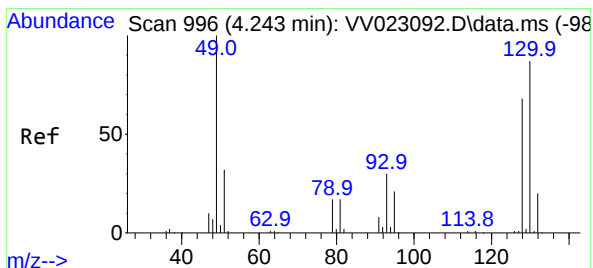
Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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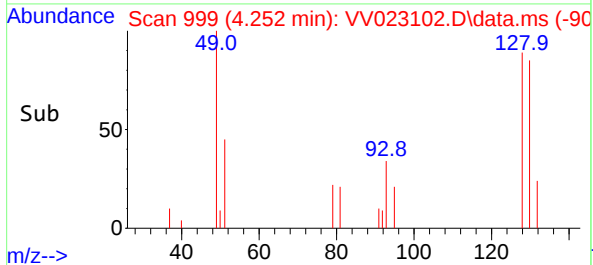
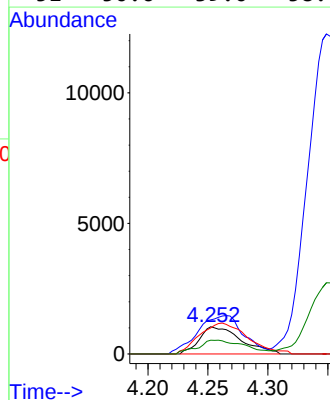
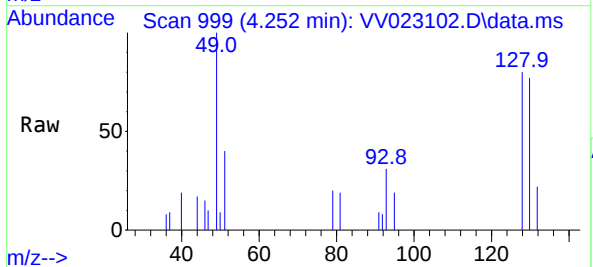
SAM

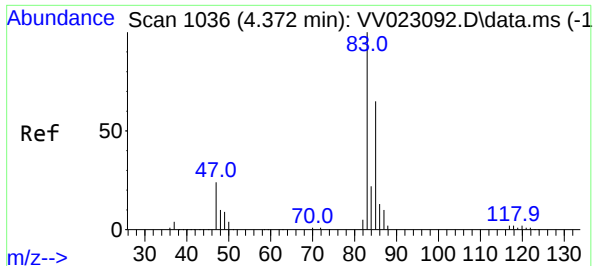
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#23
Bromochloromethane
Concen: 2.077 ug/L
RT: 4.252 min Scan# 999
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 128 Resp: 2513
Ion Ratio Lower Upper
128 100
49 125.2 104.7 194.4
130 96.1 89.7 166.7
51 50.6 39.0 58.4





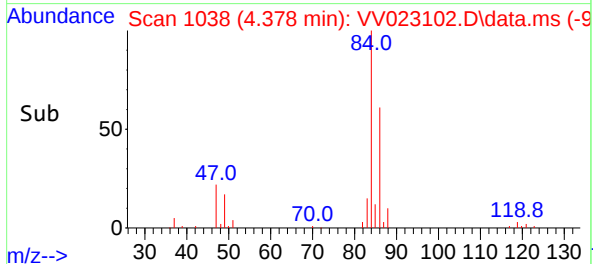
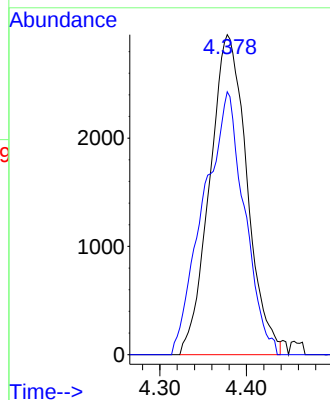
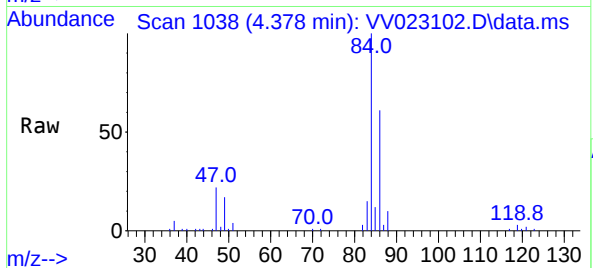
#25

Chloroform
Concen: 2.291 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

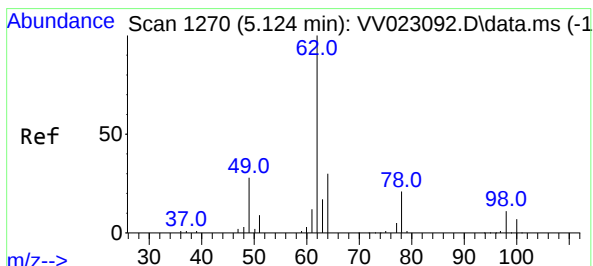
Tgt Ion: 83 Resp: 8817
Ion Ratio Lower Upper
83 100
85 82.1 44.4 82.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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SAM

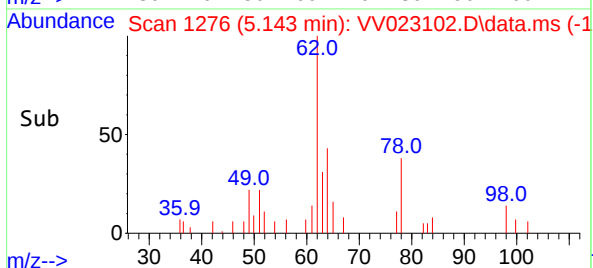
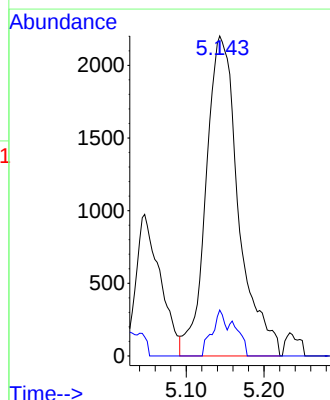
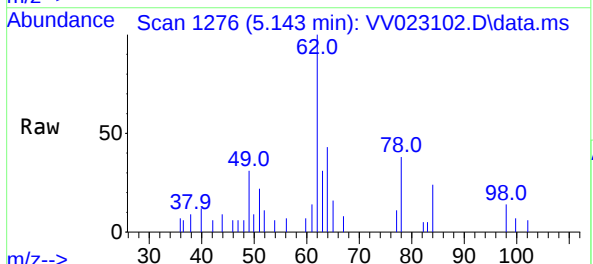


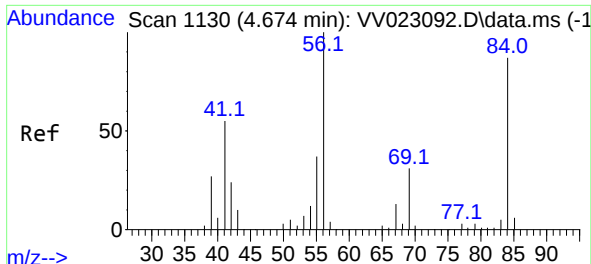
#27

1,2-Dichloroethane
Concen: 2.212 ug/L m
RT: 5.143 min Scan# 1276
Delta R.T. 0.019 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 62 Resp: 6392
Ion Ratio Lower Upper
62 100
98 14.4 8.2 12.4#

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#29

Cyclohexane

Concen: 1.917 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.006 min

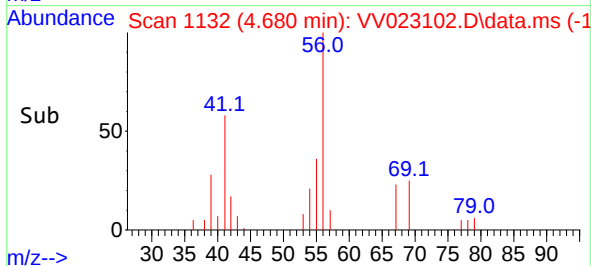
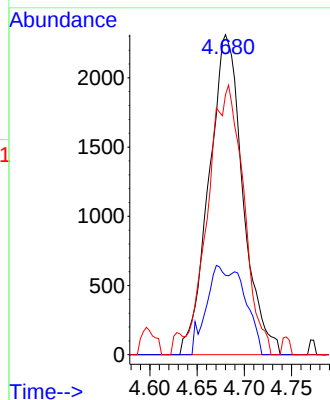
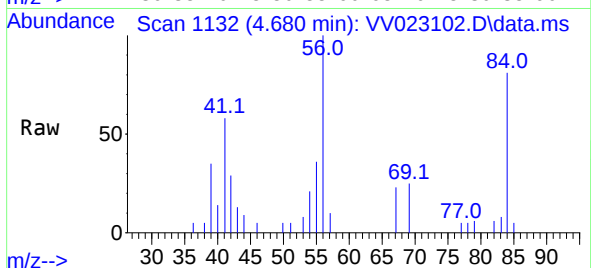
Lab File: VV023102.D

Acq: 29 Oct 2021 13:59

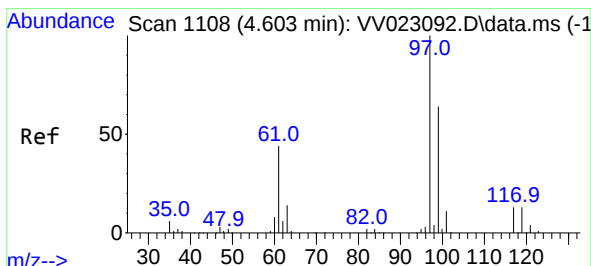
Tgt Ion:	56	Resp:	5776
Ion	Ratio	Lower	Upper
56	100		
69	12.4	24.6	36.8#
84	34.3	72.8	109.2#

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
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SAM



#30

1,1,1-Trichloroethane

Concen: 2.033 ug/L

RT: 4.609 min Scan# 1110

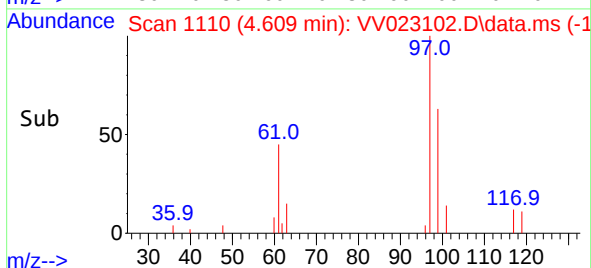
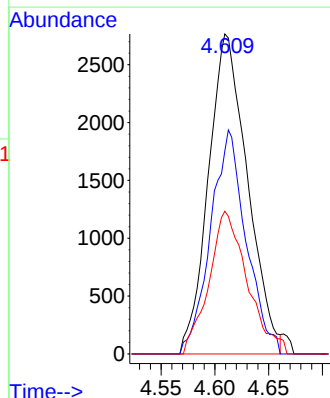
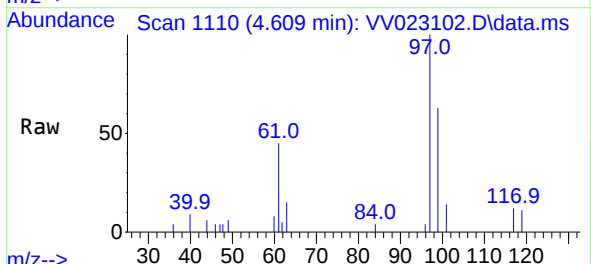
Delta R.T. 0.006 min

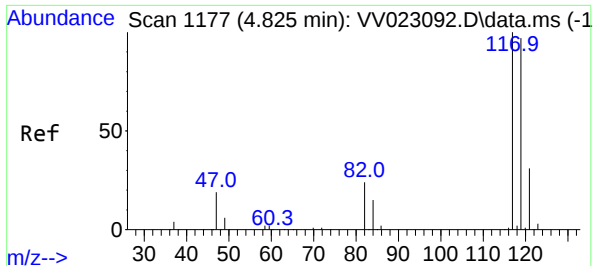
Lab File: VV023102.D

Acq: 29 Oct 2021 13:59

Tgt Ion:	97	Resp:	6994
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.9	77.9
61	43.4	33.8	50.6

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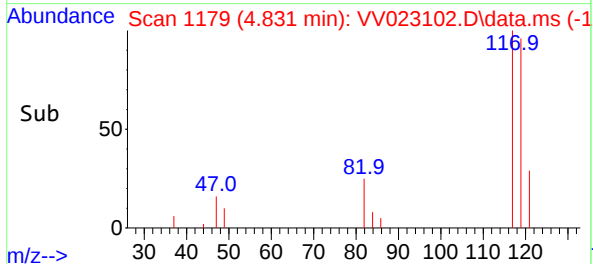
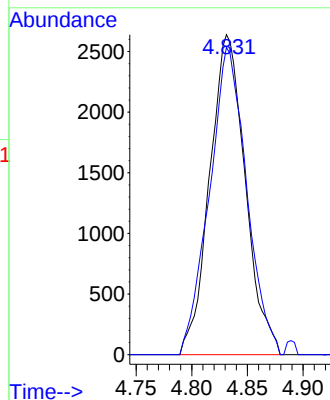
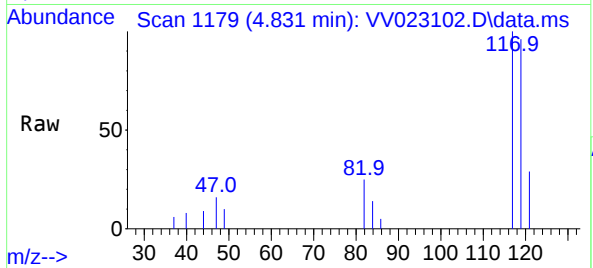


#31
Carbon tetrachloride
Concen: 1.899 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

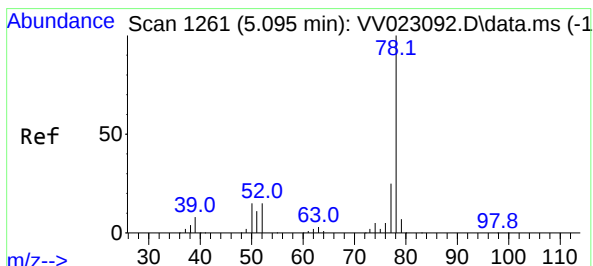
Tgt Ion: 117 Resp: 5870
Ion Ratio Lower Upper
117 100
119 100.4 77.0 115.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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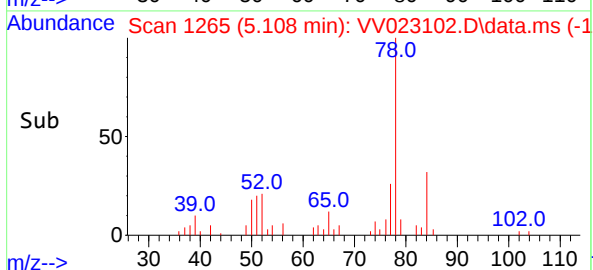
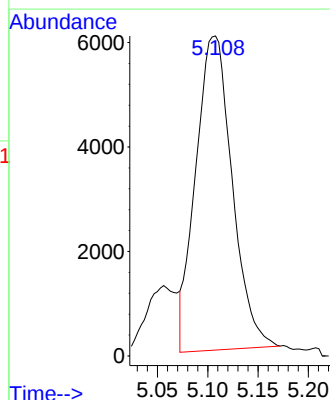
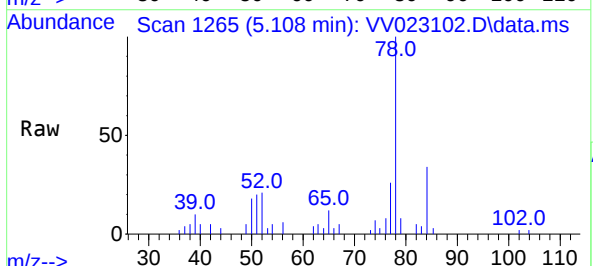
SAM

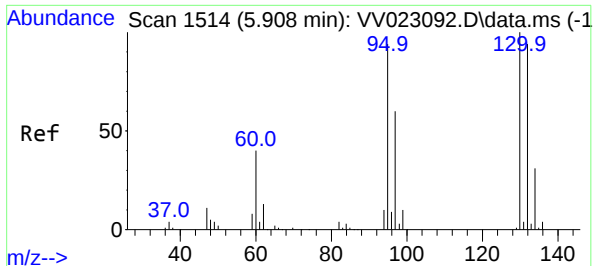


#33
Benzene
Concen: 1.884 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.013 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 78 Resp: 15150

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#34

Trichloroethene

Concen: 1.928 ug/L

RT: 5.928 min Scan# 1520

Delta R.T. 0.019 min

Lab File: VV023102.D

Acq: 29 Oct 2021 13:59

Tgt Ion: 95 Resp: 4051

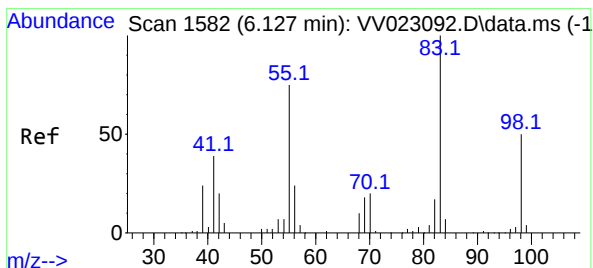
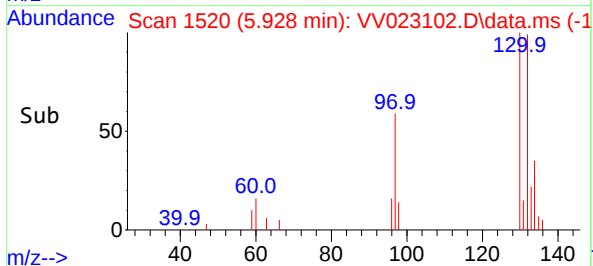
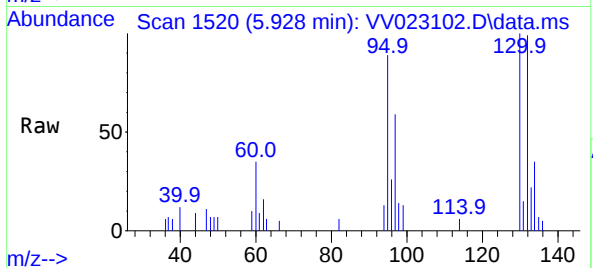
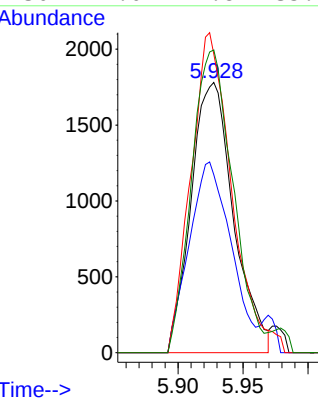
Ion Ratio Lower Upper

95 100

97 65.9 44.4 82.5

132 110.5 71.5 132.9

130 112.0 72.8 135.2



#35

Methylcyclohexane

Concen: 1.923 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV023102.D

Acq: 29 Oct 2021 13:59

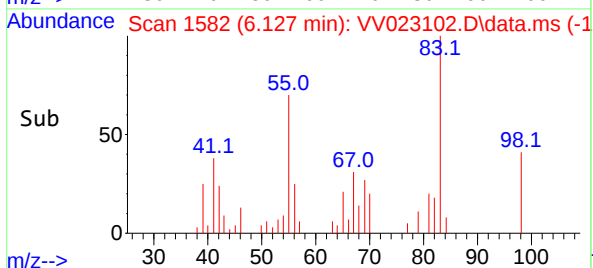
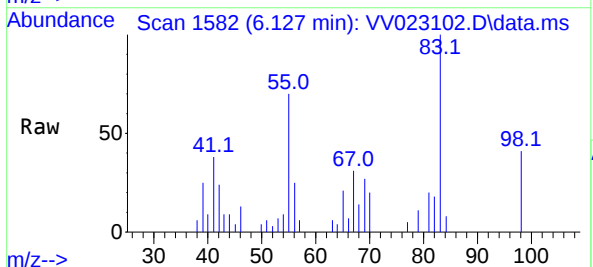
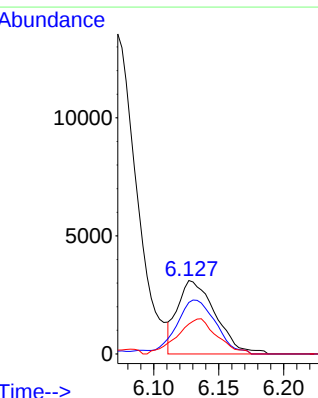
Tgt Ion: 83 Resp: 6298

Ion Ratio Lower Upper

83 100

55 75.8 60.1 90.1

98 49.6 41.2 61.8



Instrument :

MSVOA_V

ClientSampleId :

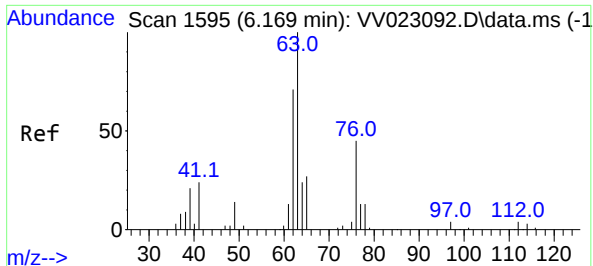
MDL03

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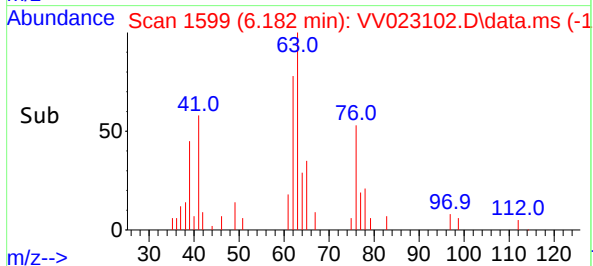
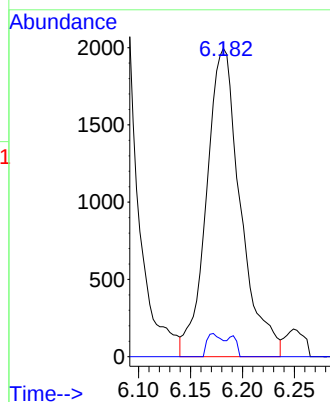
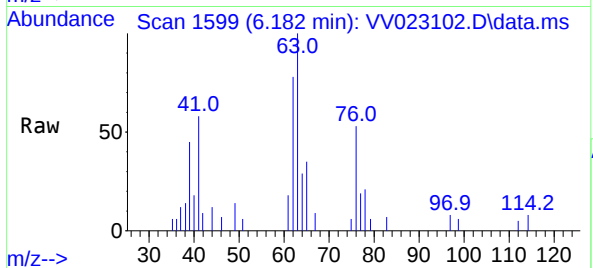


#37
1,2-Dichloropropane
Concen: 2.145 ug/L
RT: 6.182 min Scan# 1599
Delta R.T. 0.013 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

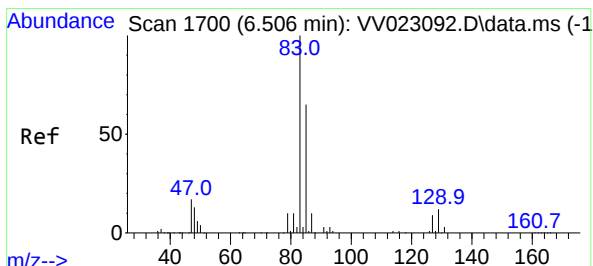
Tgt Ion: 63 Resp: 4532
Ion Ratio Lower Upper
63 100
112 1.5 3.8 5.8#

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED



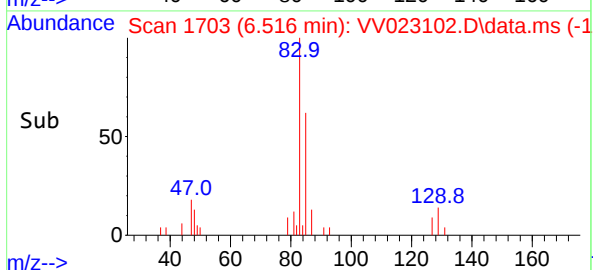
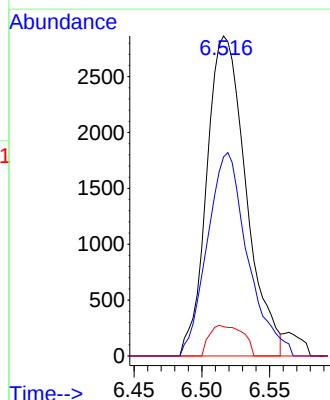
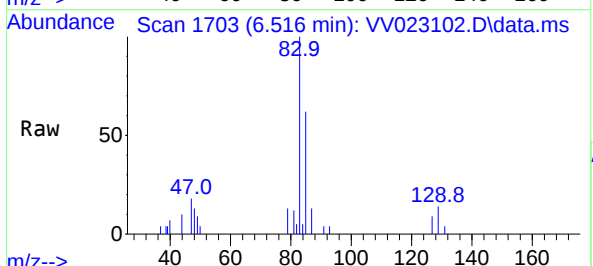
SAM

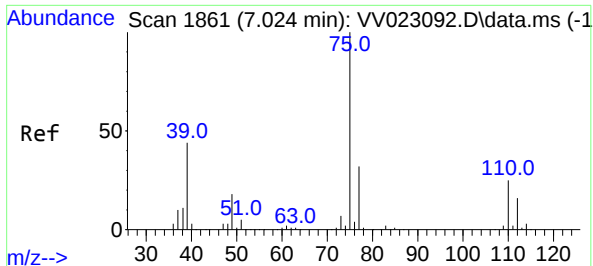


#38
Bromodichloromethane
Concen: 2.015 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 83 Resp: 5763
Ion Ratio Lower Upper
83 100
85 62.2 46.1 85.5
127 9.1 7.4 11.0

11/1/2021 6:39:50 PM



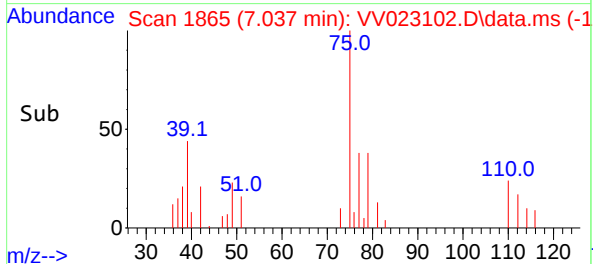
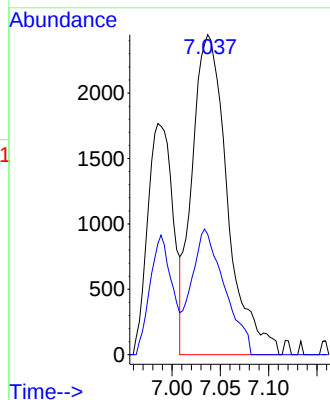
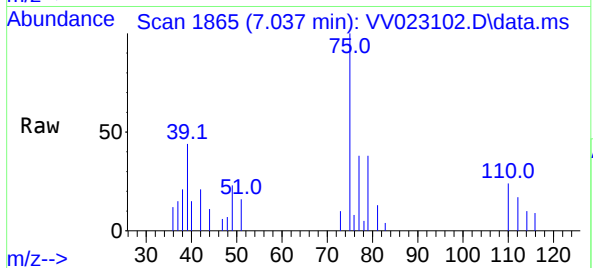


#39
cis-1,3-Dichloropropene
Concen: 1.942 ug/L m
RT: 7.037 min Scan# 1865
Delta R.T. 0.013 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

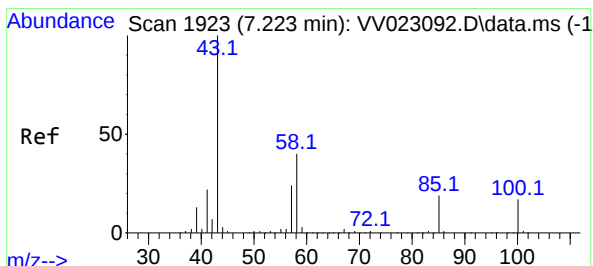
Tgt Ion: 75 Resp: 6225
Ion Ratio Lower Upper
75 100
77 37.6 21.8 40.6

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



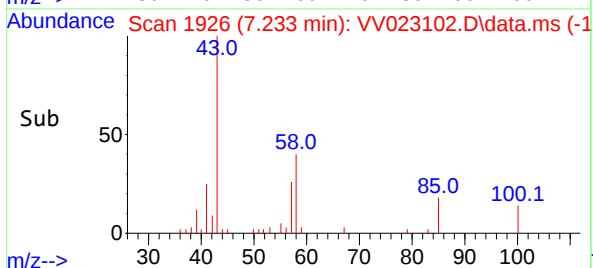
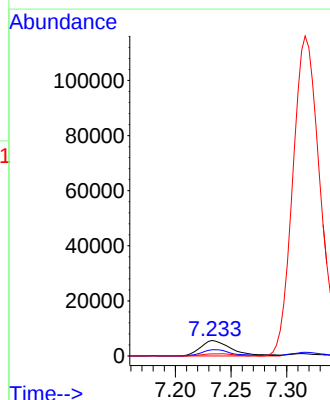
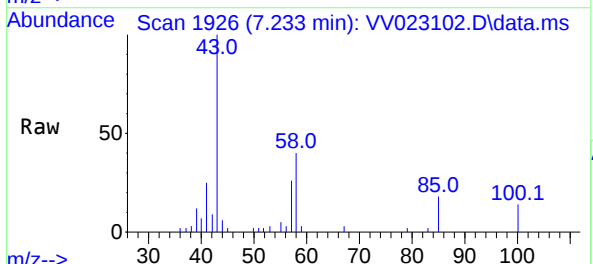
SAM

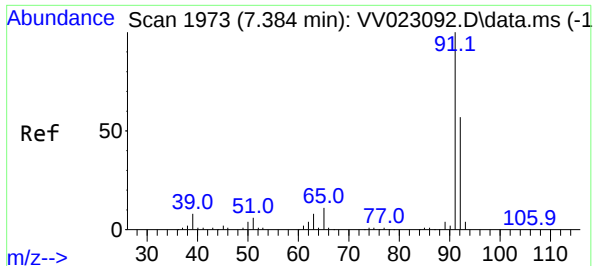


#40
4-Methyl-2-pentanone
Concen: 3.985 ug/L
RT: 7.233 min Scan# 1926
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 43 Resp: 10861
Ion Ratio Lower Upper
43 100
58 37.9 32.4 48.6
100 13.6 13.4 20.2

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#42

Toluene

Concen: 2.563 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV023102.D

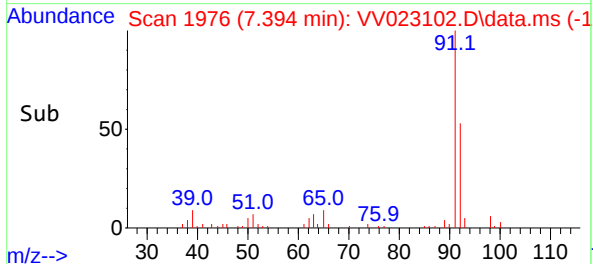
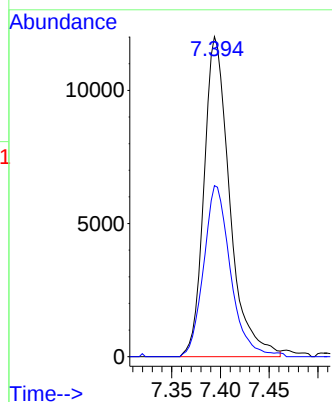
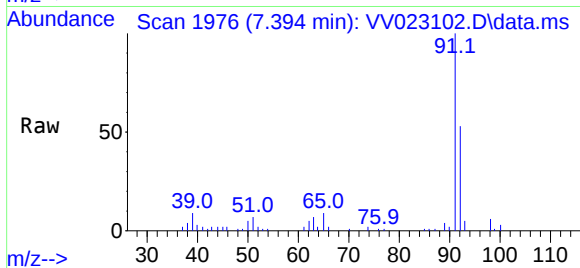
Acq: 29 Oct 2021 13:59

Tgt Ion: 91 Resp: 22061

Ion Ratio Lower Upper

91 100

92 53.5 40.6 75.4



Instrument :

MSVOA_V

ClientSampleId :

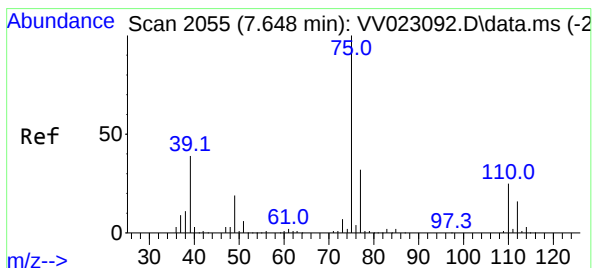
MDL03

Manual Integrations

APPROVED

SAM

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#44

trans-1,3-Dichloropropene

Concen: 1.943 ug/L m

RT: 7.657 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VV023102.D

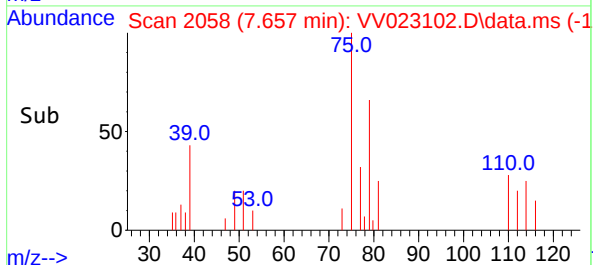
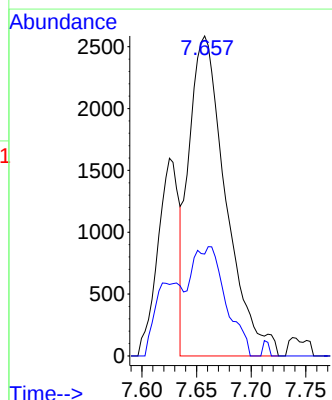
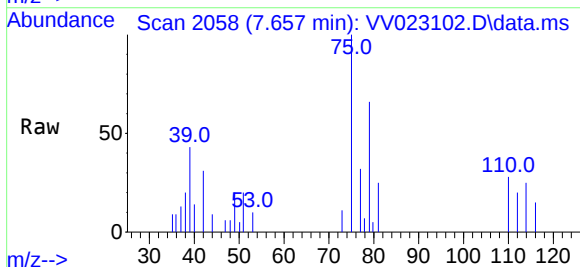
Acq: 29 Oct 2021 13:59

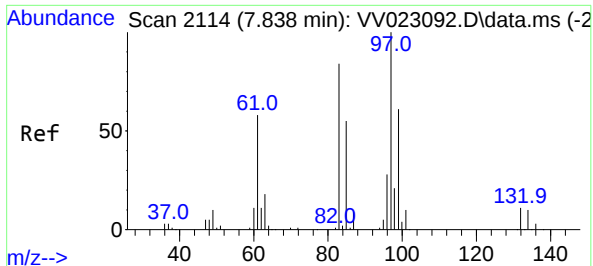
Tgt Ion: 75 Resp: 6037

Ion Ratio Lower Upper

75 100

77 31.9 21.4 39.8





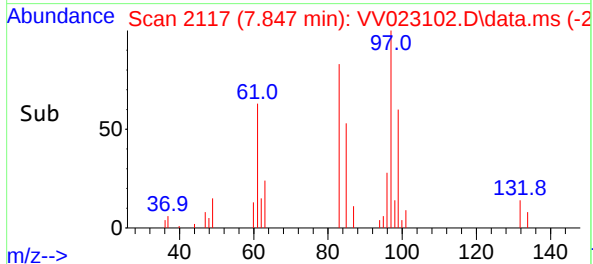
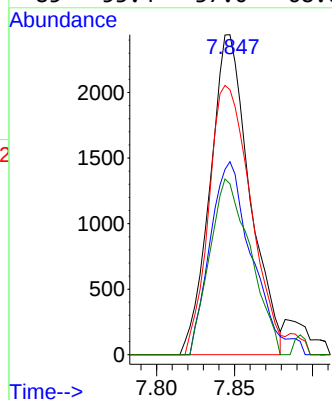
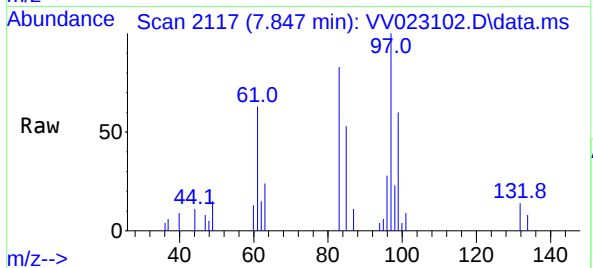
#45

1,1,2-Trichloroethane
Concen: 2.001 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.009 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

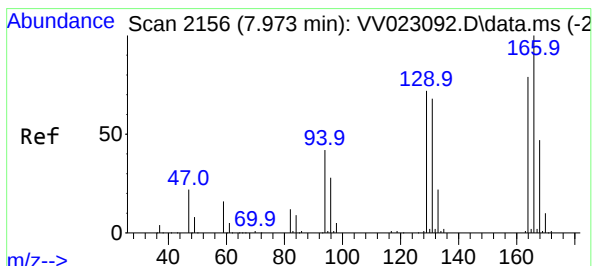
Tgt Ion: 97	Resp: 4318
Ion Ratio	Lower Upper
97 100	
99 60.3	44.2 82.2
83 82.8	57.7 107.1
85 53.4	37.0 68.6

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



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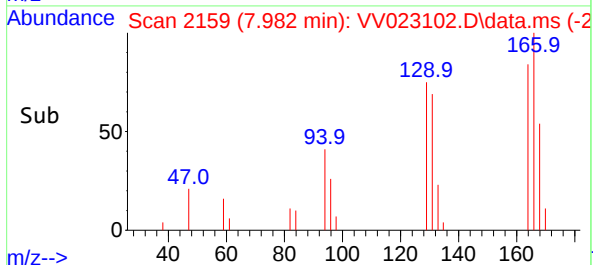
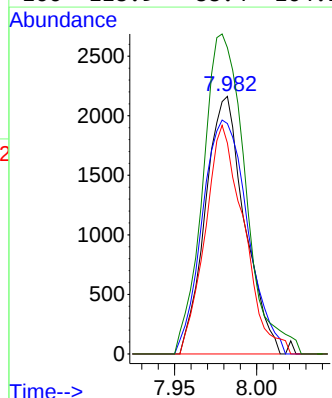
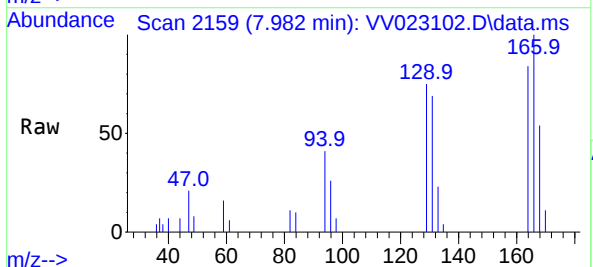


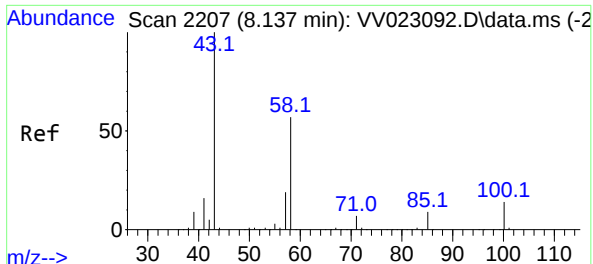
#46

Tetrachloroethene
Concen: 1.980 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt	Ion:164	Resp:	3587
Ion	Ratio	Lower	Upper
164	100		
129	89.5	64.6	120.0
131	81.9	62.9	116.7
166	118.9	88.4	164.2

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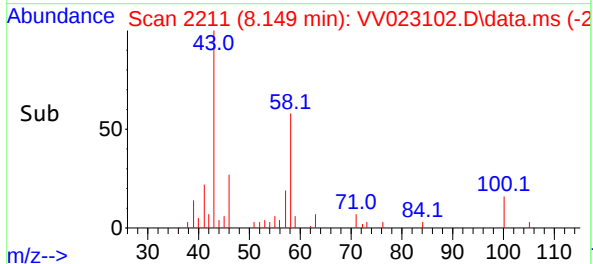
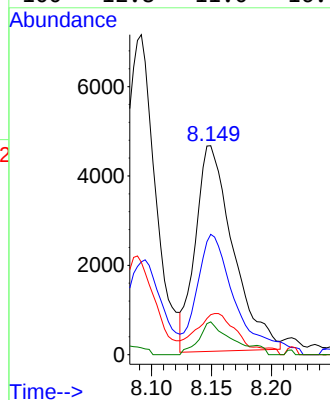
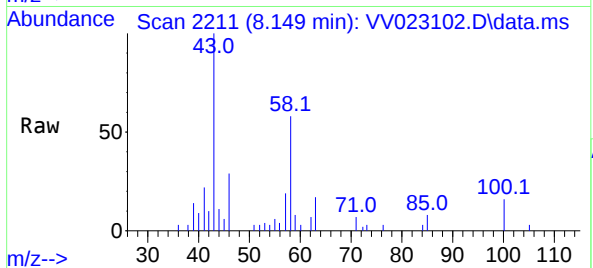


#48
2-Hexanone
Concen: 4.650 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.013 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

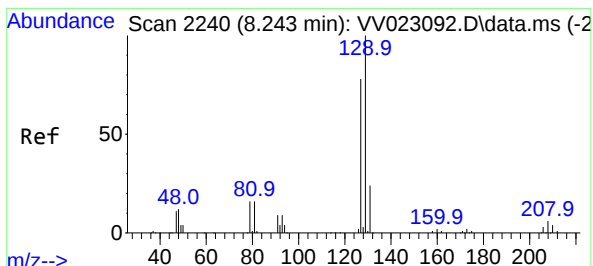
Tgt Ion: 43	Resp: 10063
Ion Ratio	Lower Upper
43 100	
58 53.4	45.6 68.4
57 16.5	15.4 23.0
100 12.8	11.0 16.4

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED



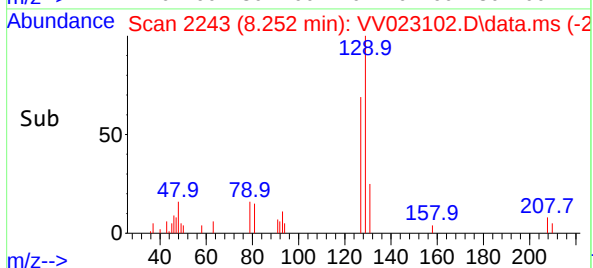
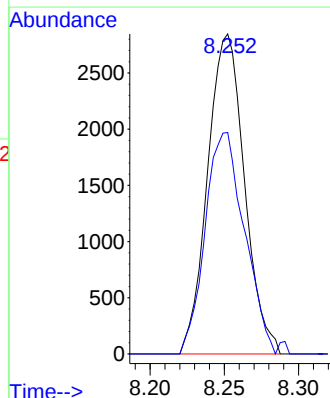
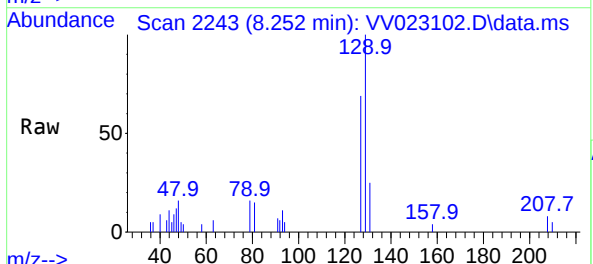
SAM

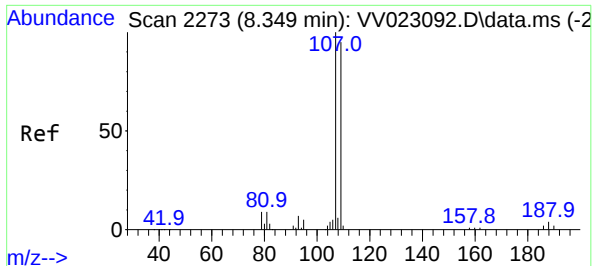


#49
Dibromochloromethane
Concen: 1.993 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:129	Resp:	4915	
Ion	Ratio	Lower	Upper
129	100		
127	69.2	53.9	100.1

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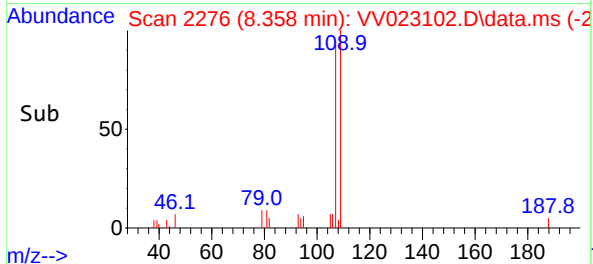
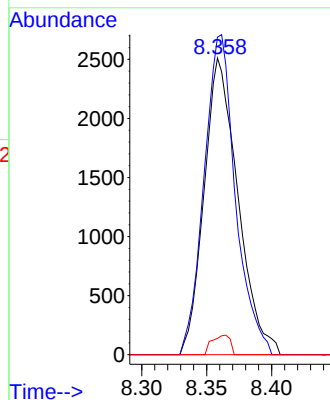
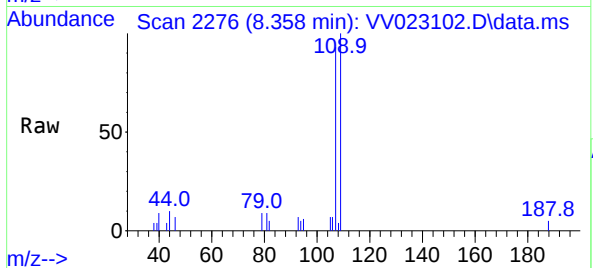


#50
1,2-Dibromoethane
Concen: 2.004 ug/L
RT: 8.358 min Scan# 2276
Delta R.T. 0.009 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

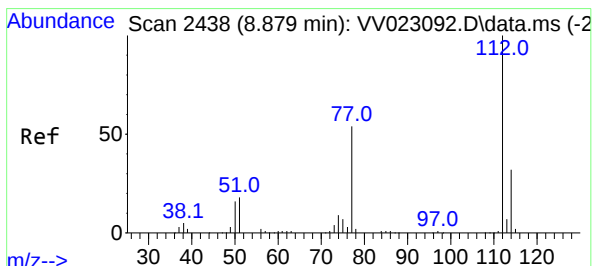
Tgt Ion:	107	Resp:	4554
Ion	Ratio	Lower	Upper
107	100		
109	107.1	67.3	124.9
188	5.5	3.3	4.9#

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



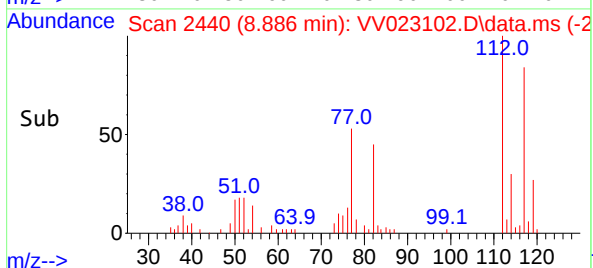
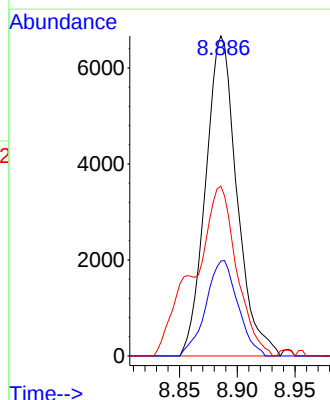
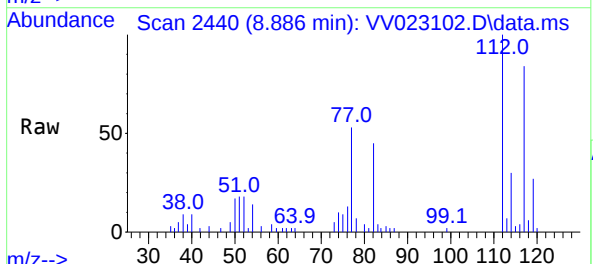
SAM

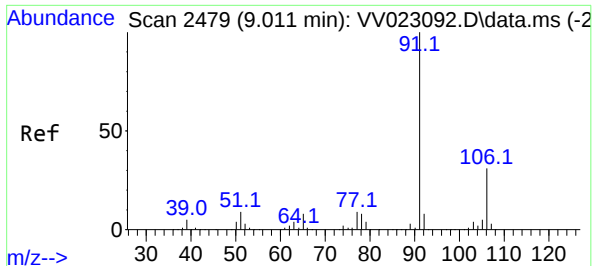


#51
Chlorobenzene
Concen: 2.162 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:	112	Resp:	12568
Ion	Ratio	Lower	Upper
112	100		
114	29.7	22.2	41.2
77	53.0	44.6	67.0

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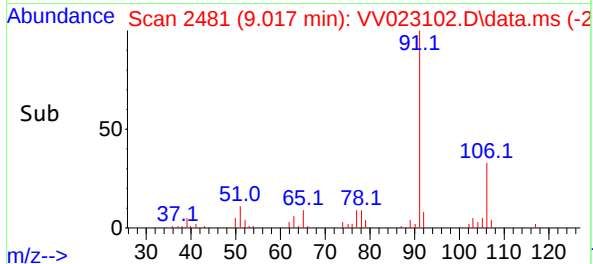
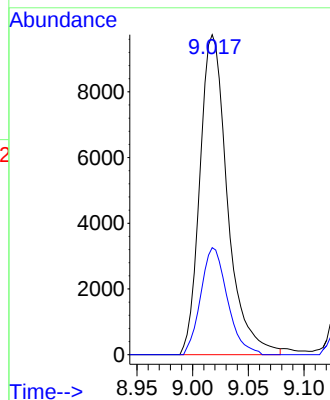
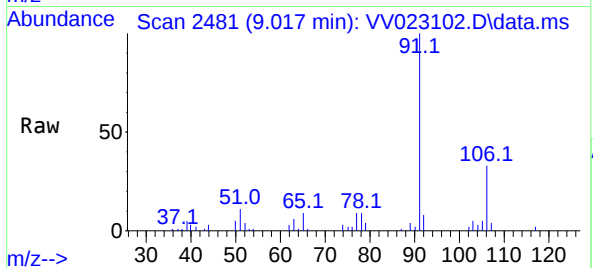


#52
Ethylbenzene
Concen: 1.836 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 91 Resp: 16809
Ion Ratio Lower Upper
91 100
106 33.5 21.8 40.4

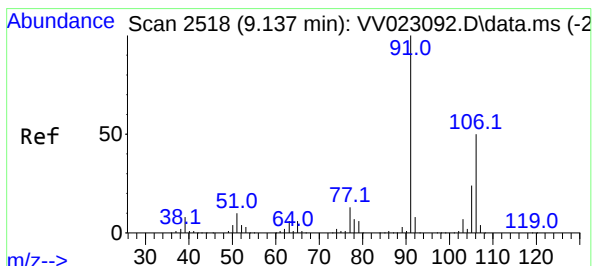
Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED



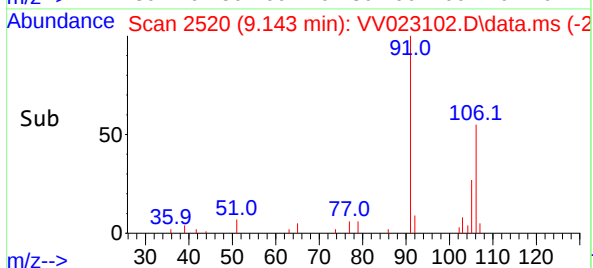
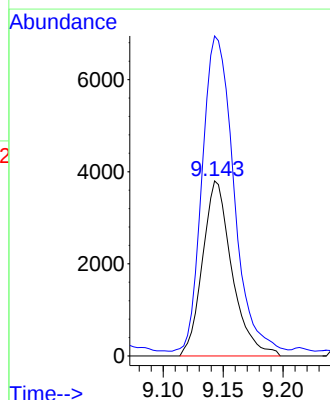
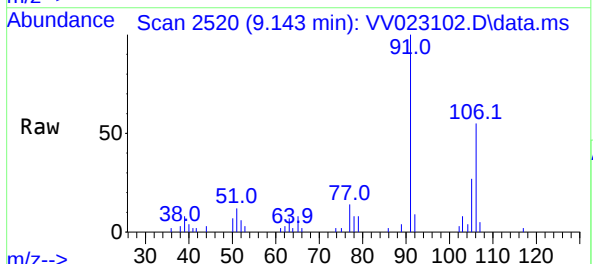
SAM

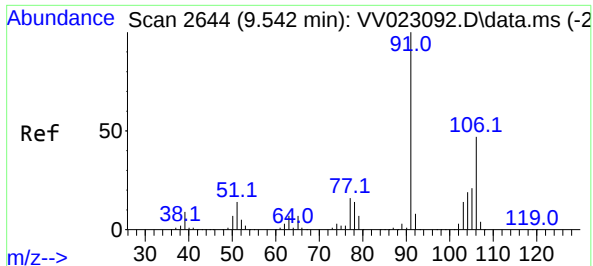
11/1/2021 6:39:50 PM



#53
m,p-Xylene
Concen: 1.838 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion: 106 Resp: 6488
Ion Ratio Lower Upper
106 100
91 182.8 137.3 254.9



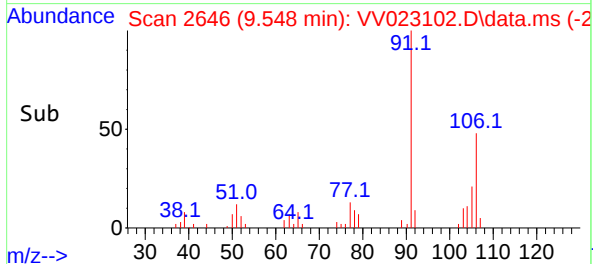
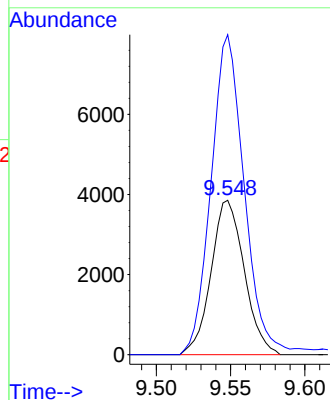
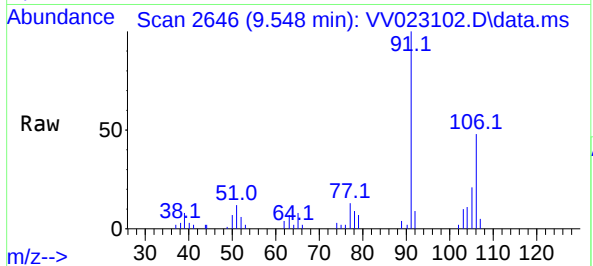


#54
o-Xylene
Concen: 1.749 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

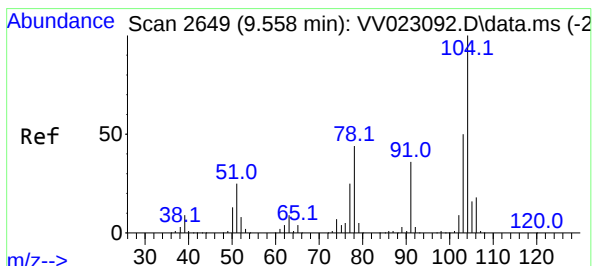
Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:106 Resp: 6008
Ion Ratio Lower Upper
106 100
91 207.2 145.0 269.4

Manual Integrations
APPROVED



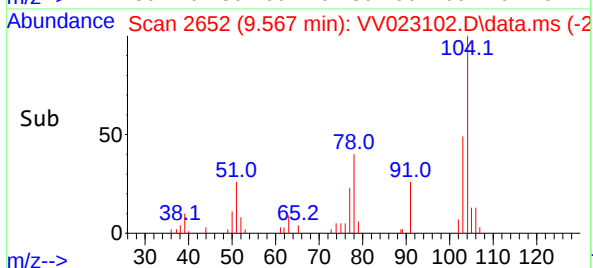
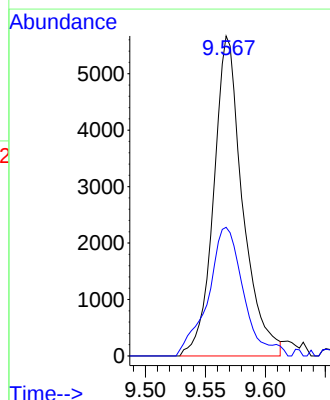
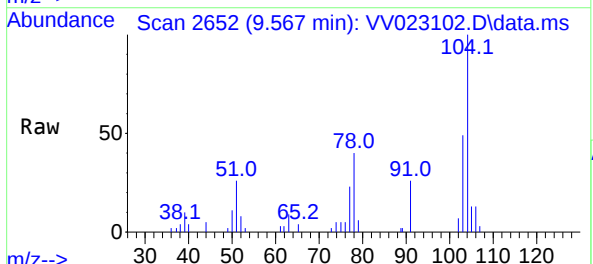
SAM

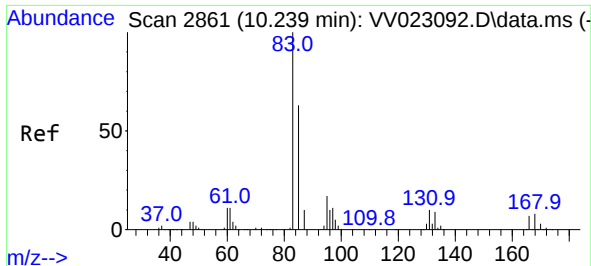


#55
Styrene
Concen: 1.592 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

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Tgt Ion:104 Resp: 9509
Ion Ratio Lower Upper
104 100
78 40.2 29.8 55.4



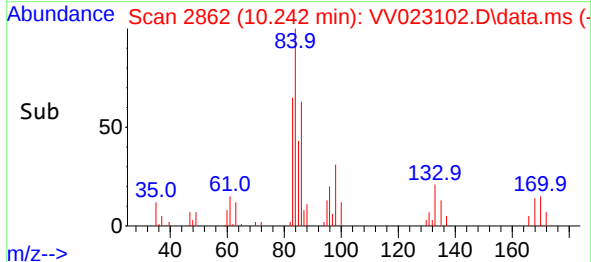
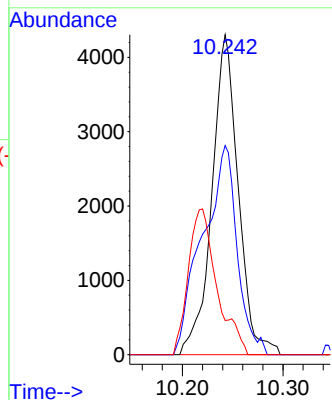
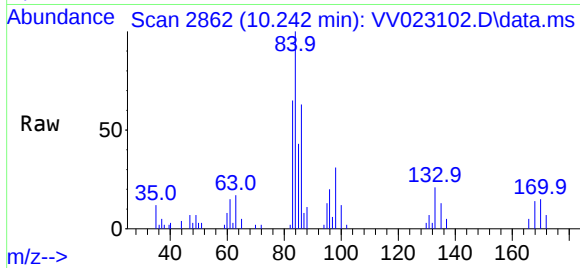


#57
1,1,2,2-Tetrachloroethane
Concen: 2.277 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:	83	Resp:	7836
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.7	83.1
131	10.7	7.8	11.8

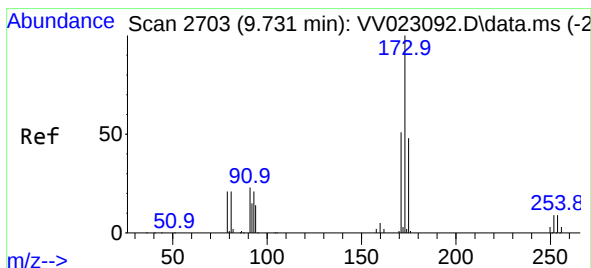
Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



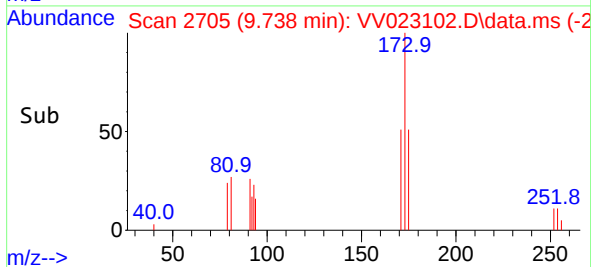
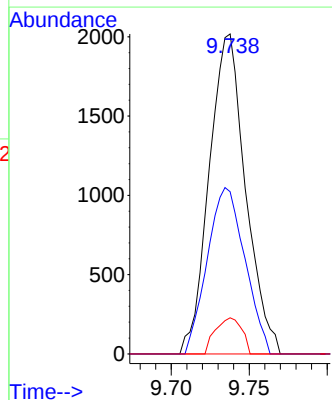
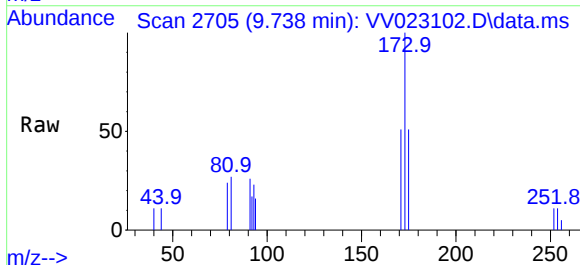
SAM

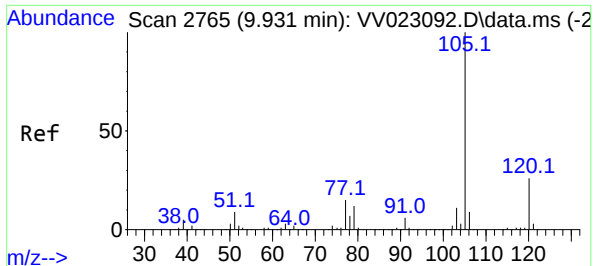
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#59
Bromoform
Concen: 1.985 ug/L
RT: 9.738 min Scan# 2705
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:	173	Resp:	3276
Ion	Ratio	Lower	Upper
173	100		
175	53.7	39.3	58.9
254	8.2	7.2	10.8



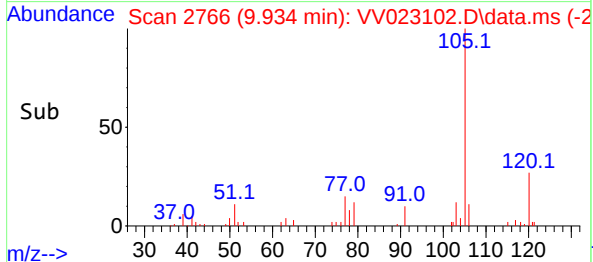
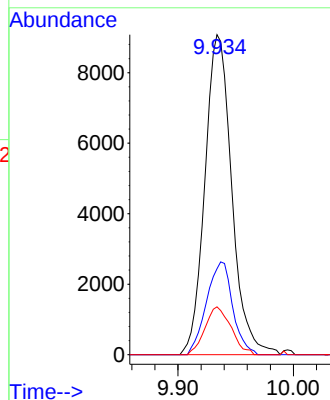
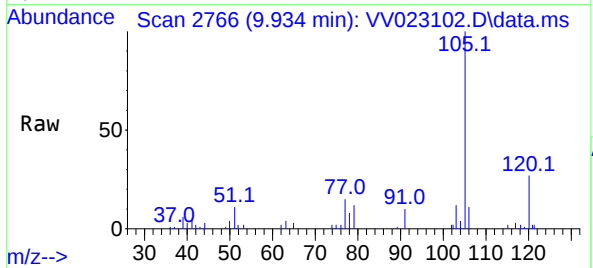


#60
Isopropylbenzene
Concen: 1.763 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

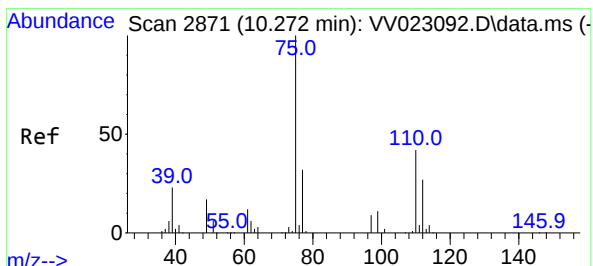
Tgt Ion:	105	Resp:	14694
Ion Ratio	Lower	Upper	
105	100		
120	28.2	21.0	31.6
77	14.3	12.2	18.2

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
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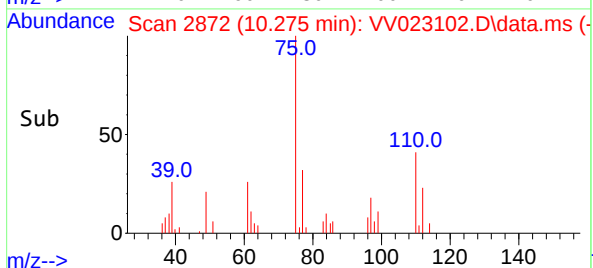
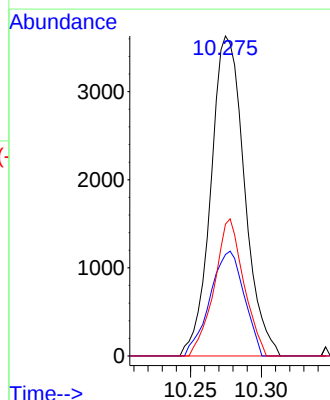
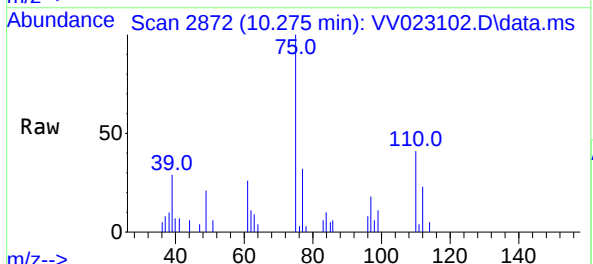
SAM

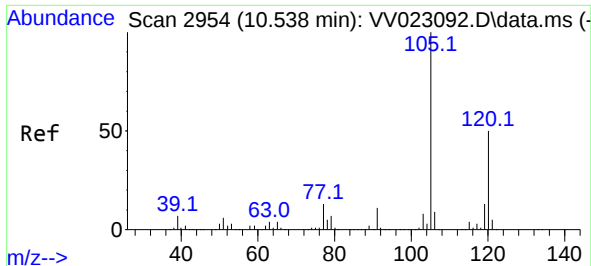


#61
1,2,3-Trichloropropane
Concen: 2.448 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:	75	Resp:	5985
Ion Ratio	Lower	Upper	
75	100		
77	33.2	25.6	38.4
110	37.5	33.1	49.7

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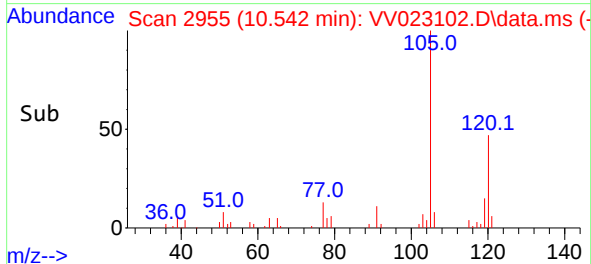
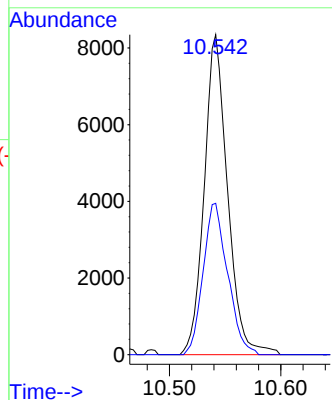
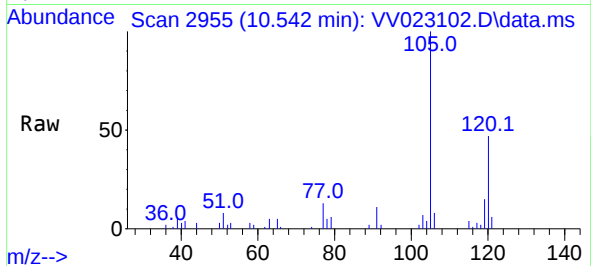


#62
1,3,5-Trimethylbenzene
Concen: 1.771 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:105 Resp: 12160
Ion Ratio Lower Upper
105 100
120 49.7 39.6 59.4

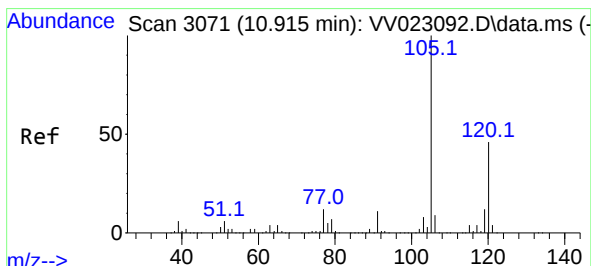
Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED



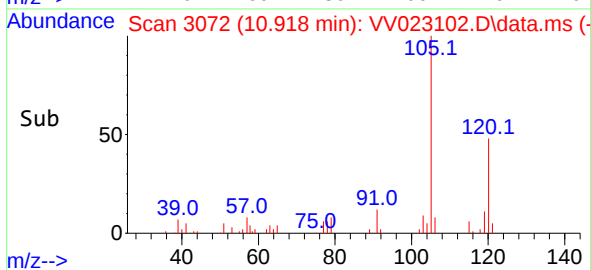
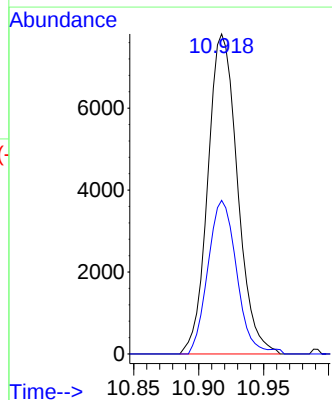
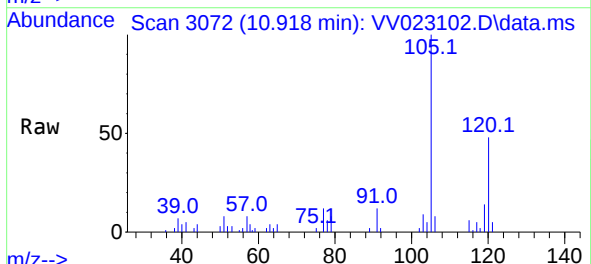
SAM

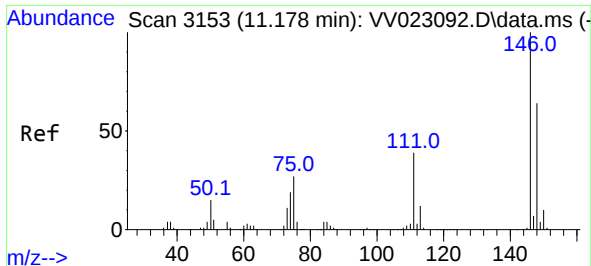
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#63
1,2,4-Trimethylbenzene
Concen: 1.799 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:105 Resp: 12400
Ion Ratio Lower Upper
105 100
120 46.0 37.1 55.7



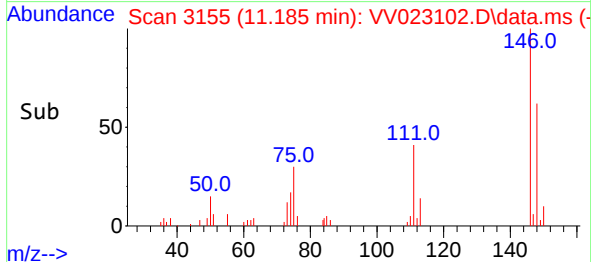
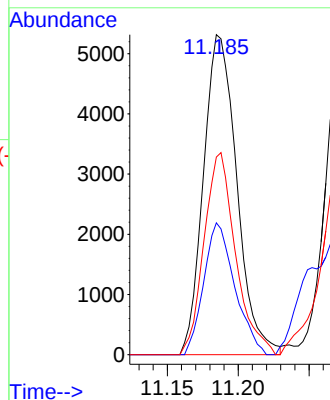
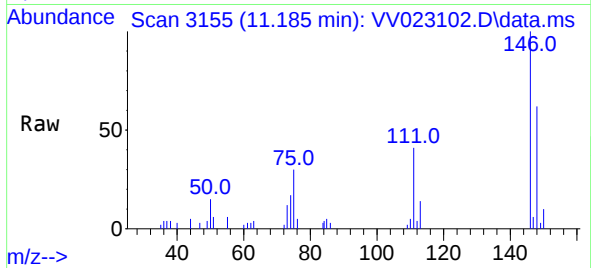


#64
1,3-Dichlorobenzene
Concen: 2.065 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

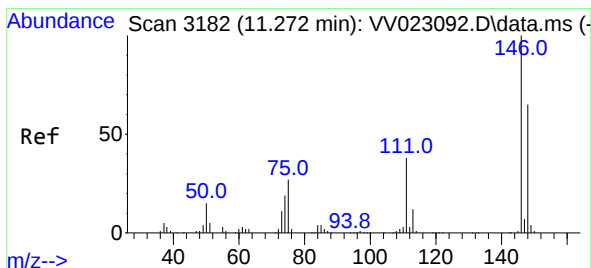
Tgt Ion:146 Resp: 8703
Ion Ratio Lower Upper
146 100
111 41.2 27.3 50.7
148 61.8 44.2 82.0

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED



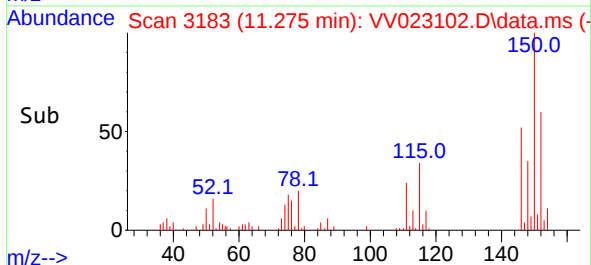
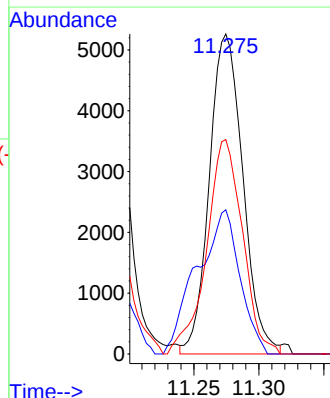
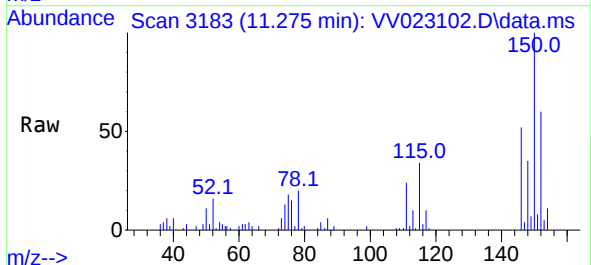
SAM

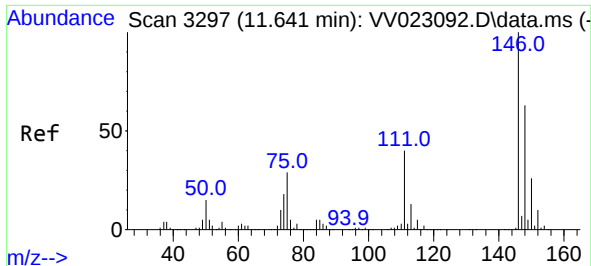


#65
1,4-Dichlorobenzene
Concen: 2.153 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Tgt Ion:146 Resp: 9450
Ion Ratio Lower Upper
146 100
111 45.1 26.0 48.2
148 67.0 44.7 82.9

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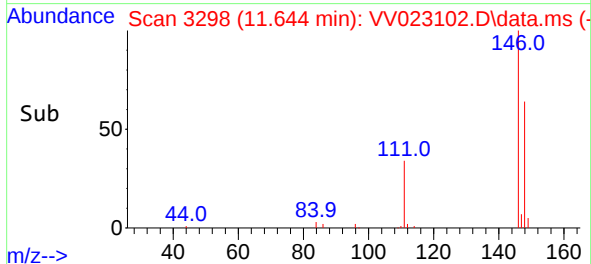
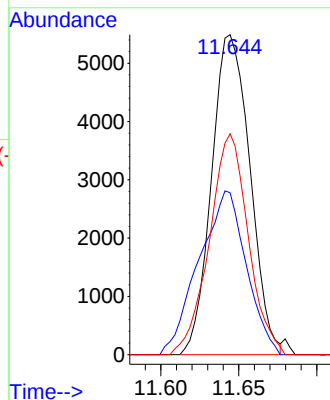
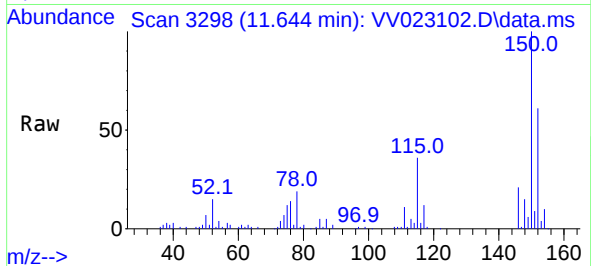


#67
1,2-Dichlorobenzene
Concen: 2.206 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

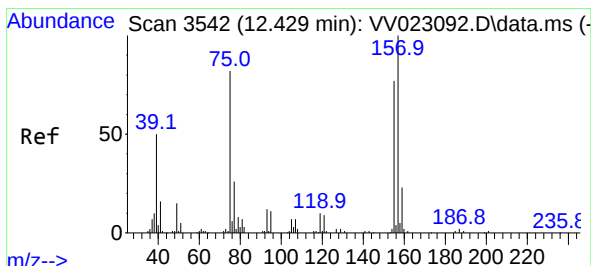
Tgt Ion:146 Resp: 9401
Ion Ratio Lower Upper
146 100
111 50.6 32.2 48.2#
148 69.0 51.8 77.8

Instrument :
MSVOA_V
ClientSampled :
MDL03

Manual Integrations
APPROVED



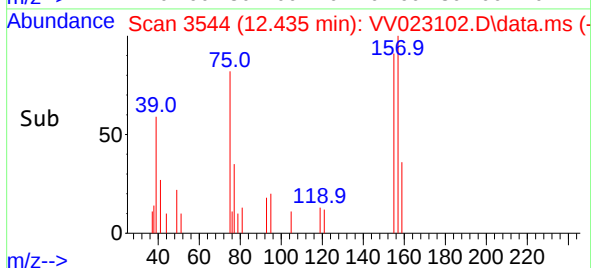
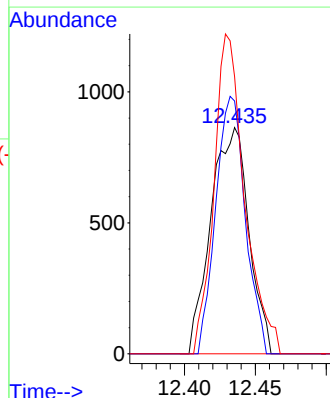
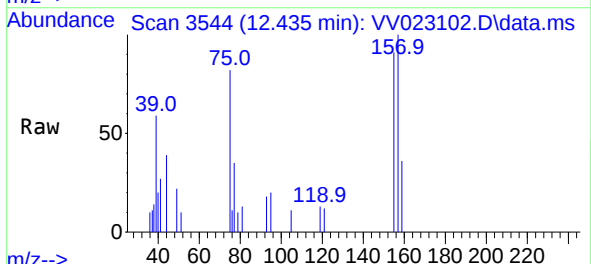
SAM

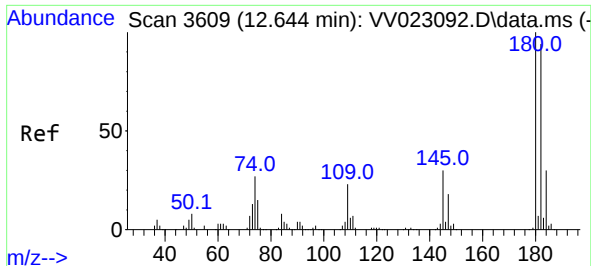


#68
1,2-Dibromo-3-chloropropane
Concen: 2.362 ug/L
RT: 12.435 min Scan# 3544
Delta R.T. 0.006 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

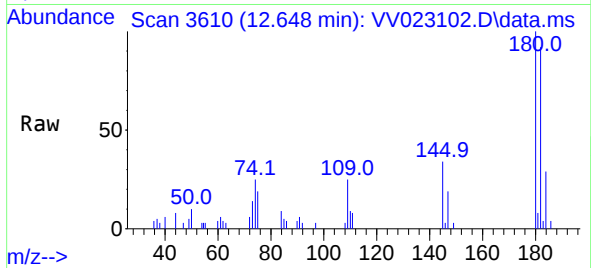
Tgt Ion: 75 Resp: 1612
Ion Ratio Lower Upper
75 100
155 111.7 75.7 113.5
157 122.5 96.4 144.6

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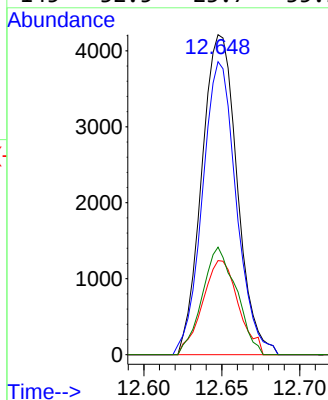
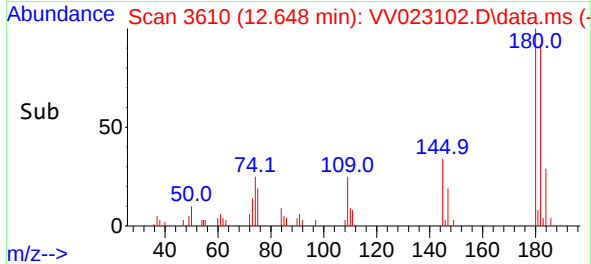




#69
1,3,5-Trichlorobenzene
Concen: 2.084 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59



Tgt Ion:180 Resp: 6641
Ion Ratio Lower Upper
180 100
182 87.9 76.6 115.0
184 29.8 24.6 36.8
145 32.5 23.7 35.5

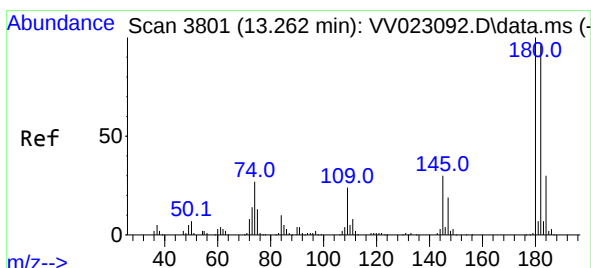


Instrument :
MSVOA_V
ClientSampleId :
MDL03

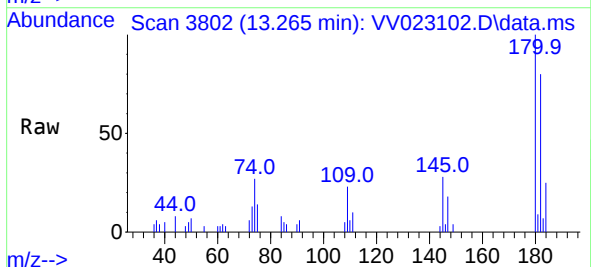
Manual Integrations
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SAM

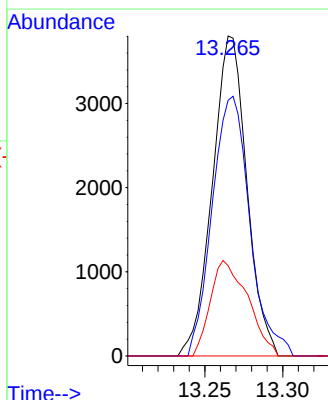
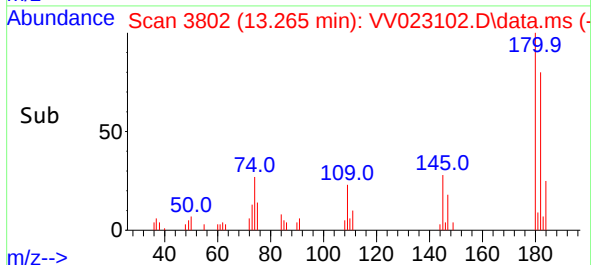
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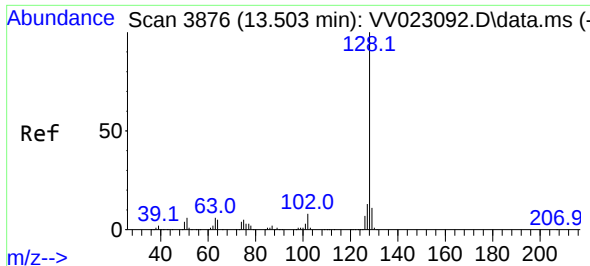


#70
1,2,4-trichlorobenzene
Concen: 2.121 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59



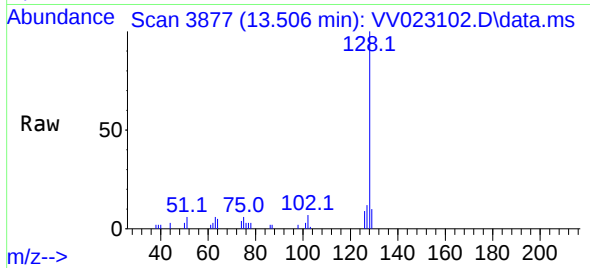
Tgt Ion:180 Resp: 5858
Ion Ratio Lower Upper
180 100
182 88.2 77.2 115.8
145 32.3 23.8 35.6





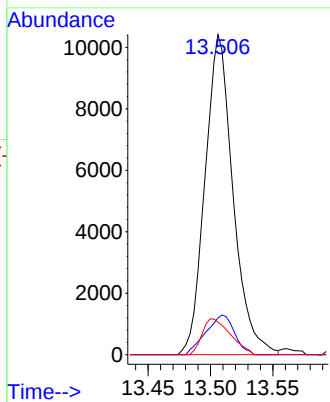
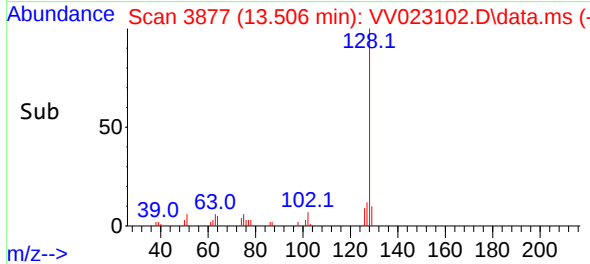
#71
Naphthalene
Concen: 1.839 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

Instrument :
MSVOA_V
ClientSampled :
MDL03

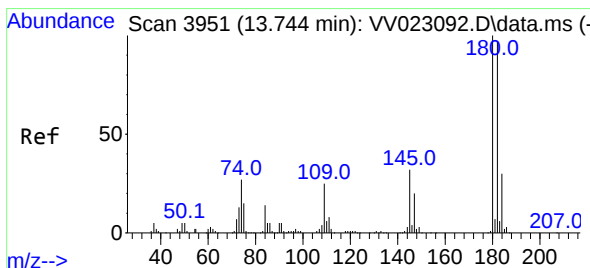


Tgt Ion:128 Resp: 16313
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.3 8.7 13.1

Manual Integrations
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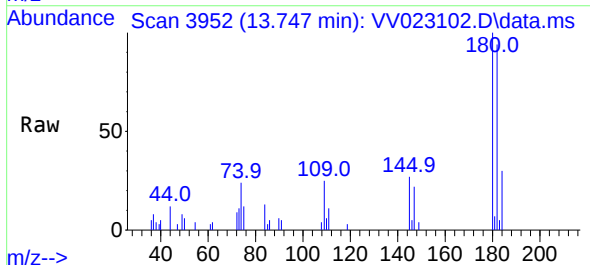


SAM



#72
1,2,3-Trichlorobenzene
Concen: 1.970 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VV023102.D
Acq: 29 Oct 2021 13:59

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Tgt Ion:180 Resp: 5753
Ion Ratio Lower Upper
180 100
182 96.7 77.0 115.4
145 32.5 26.4 39.6

