

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081721\
 Data File : VW021815.D
 Acq On : 17 Aug 2021 15:20
 Operator : SY/MD
 Sample : M3395-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 X3621

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 9:52:00 AM

Quant Time: Aug 18 02:09:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 18 02:05:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	436955	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	405925	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	212290	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	126487	37.028	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	74.060%	
7) Chloroethane-d5	1.545	69	99725	38.686	ug/L	-0.01
Spiked Amount 50.000	Range 70	- 130	Recovery	=	77.380%	
11) 1,1-Dichloroethene-d2	2.098	63	193234	35.537	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	71.080%	
21) 2-Butanone-d5	3.870	46	212504	100.025	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	100.020%	
24) Chloroform-d	4.342	84	251450	42.487	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	84.980%	
26) 1,2-Dichloroethane-d4	5.027	65	157855	46.370	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.740%	
32) Benzene-d6	5.043	84	514533	44.079	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	88.160%	
36) 1,2-Dichloropropane-d6	6.066	67	171040	47.053	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	94.100%	
41) Toluene-d8	7.313	98	461596	42.783	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	85.560%	
43) trans-1,3-Dichloroprop...	7.619	79	80130	44.791	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.580%	
47) 2-Hexanone-d5	8.085	63	128007	107.443	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	107.440%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	231340	51.356	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	102.720%	
66) 1,2-Dichlorobenzene-d4	11.625	152	206238	46.943	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	93.880%	
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	246074	71.182	ug/L	99
8) Chloroethane	1.564	64	237347	114.895	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	149963	55.300	ug/L	98
12) 1,1-Dichloroethene	2.108	96	100774	39.015	ug/L	99
16) Methylene chloride	2.500	84	5773	1.607	ug/L	88
17) trans-1,2-Dichloroethene	2.751	96	275565	90.917	ug/L	99
22) 2-Butanone	3.989	43	8953m	3.517	ug/L	
27) 1,2-Dichloroethane	5.127	62	120730	29.516	ug/L	99
29) Cyclohexane	4.670	56	275623	55.132	ug/L	100
30) 1,1,1-Trichloroethane	4.603	97	235954	46.453	ug/L	100
31) Carbon tetrachloride	4.822	117	122055	27.771	ug/L	99
33) Benzene	5.095	78	486394	38.938	ug/L	100
34) Trichloroethene	5.912	95	61818	17.221	ug/L	97
38) Bromodichloromethane	6.506	83	321321	77.077	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	432578	99.422	ug/L	99
46) Tetrachloroethene	7.976	164	231223	86.673	ug/L	99
51) Chlorobenzene	8.879	112	598276	68.682	ug/L	99
52) Ethylbenzene	9.011	91	717505	50.410	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	132499	19.224	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Wed Aug 18 02:05:23 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.644	146	419282	60.303	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	105641	110.753	ug/L	96

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

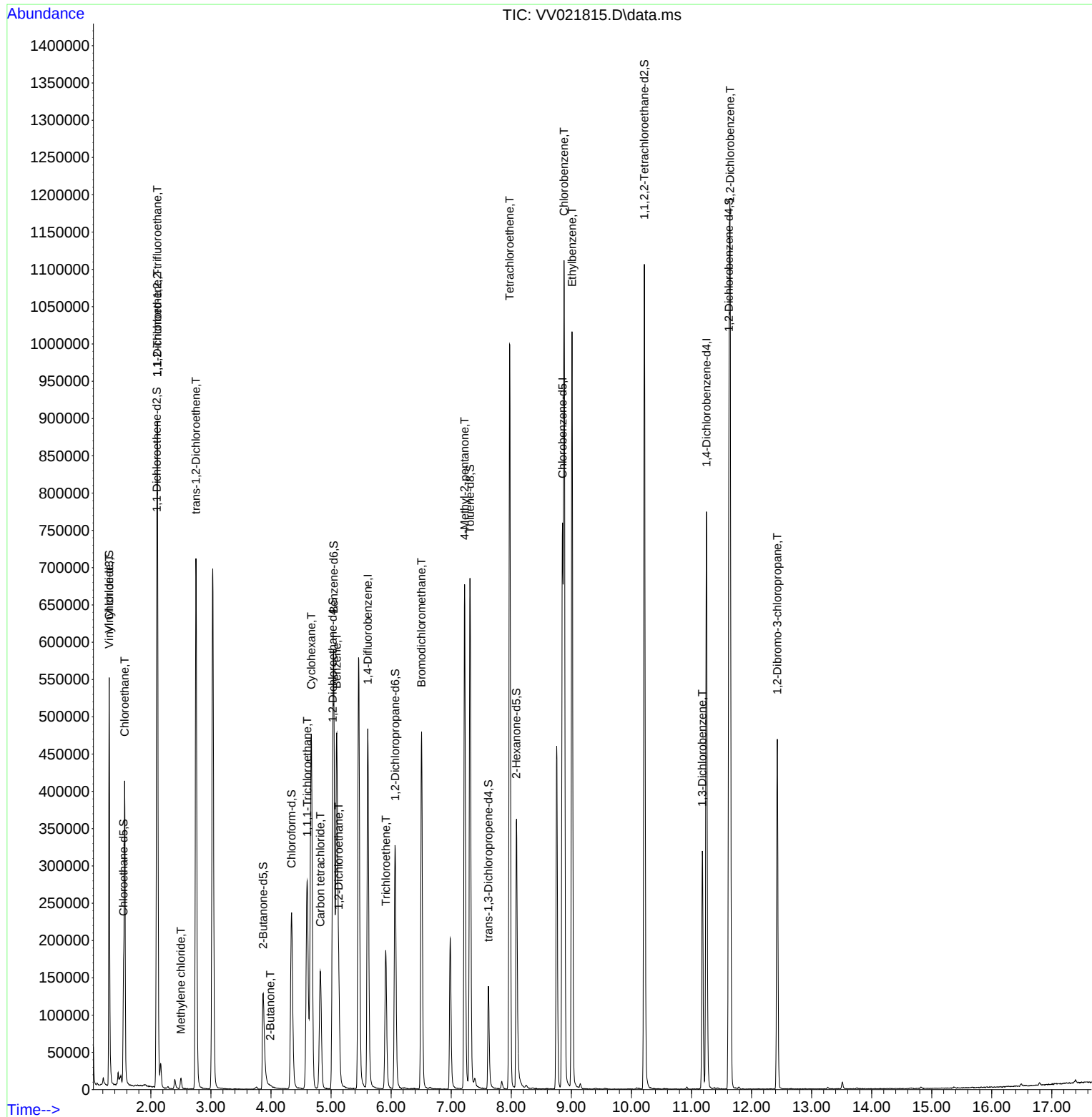
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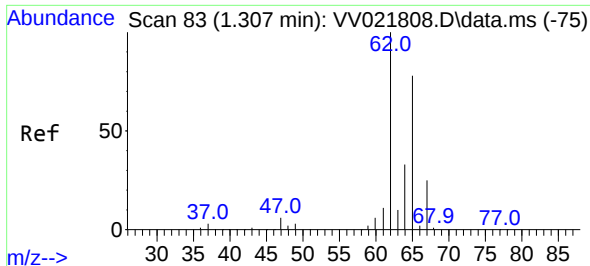
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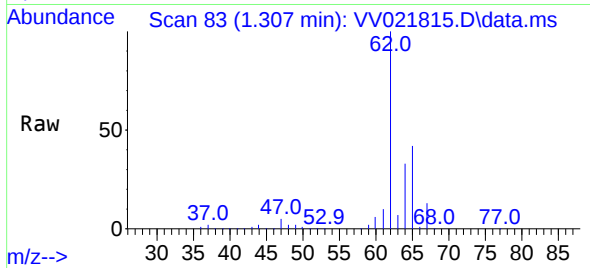
Quant Time: Aug 18 02:09:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis
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#5
 Vinyl chloride
 Concen: 71.182 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV021815.D
 Acq: 17 Aug 2021 15:20

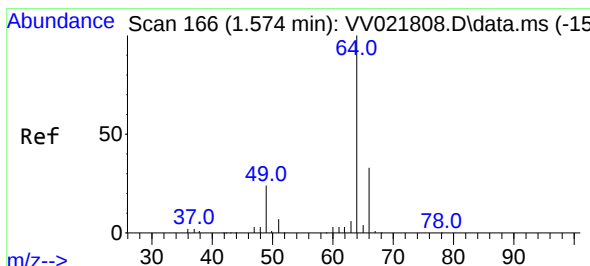
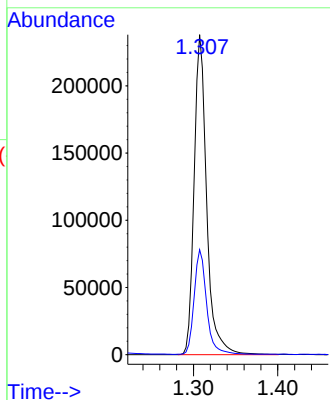
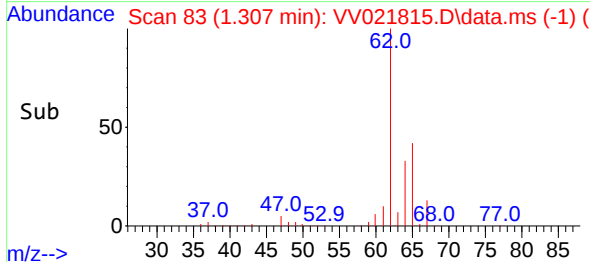
Instrument :
 MSVOA_V
 ClientSampleId :
 X3621



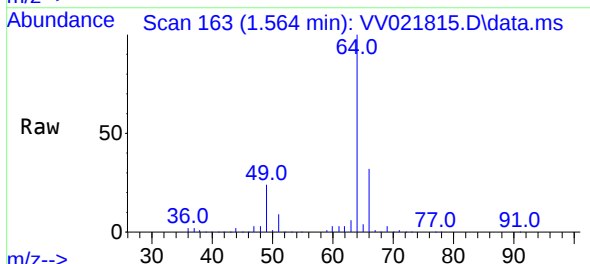
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 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.4

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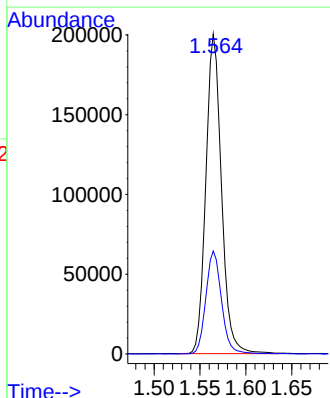
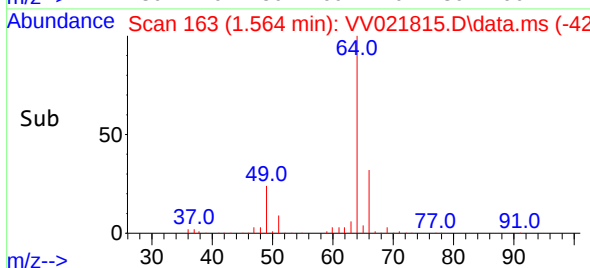
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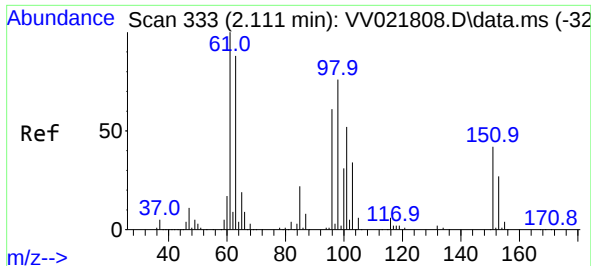


#8
 Chloroethane
 Concen: 114.895 ug/L
 RT: 1.564 min Scan# 163
 Delta R.T. -0.010 min
 Lab File: VV021815.D
 Acq: 17 Aug 2021 15:20



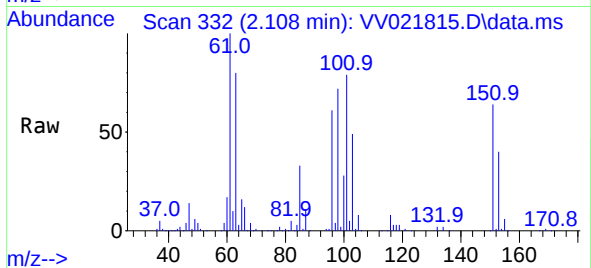
Tgt Ion: 64 Resp: 237347
 Ion Ratio Lower Upper
 64 100
 66 32.1 22.6 42.0





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 55.300 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

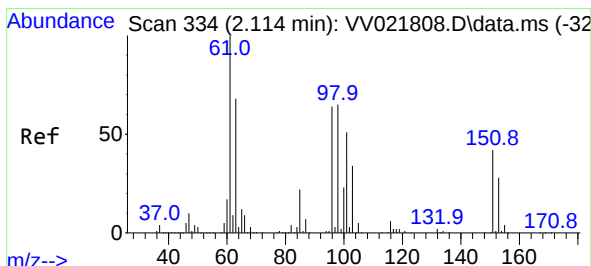
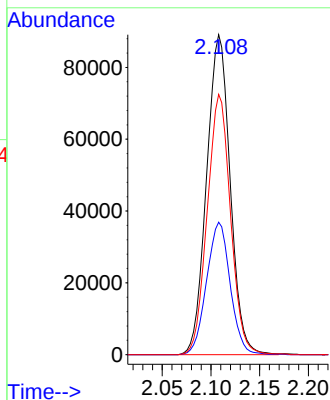
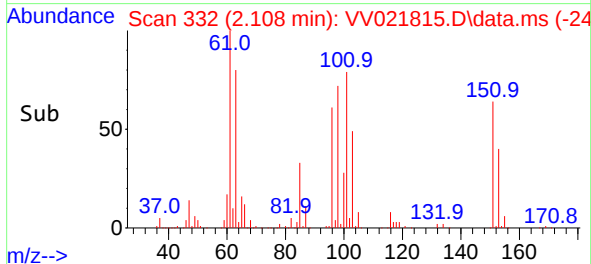
Instrument :
MSVOA_V
ClientSampleId :
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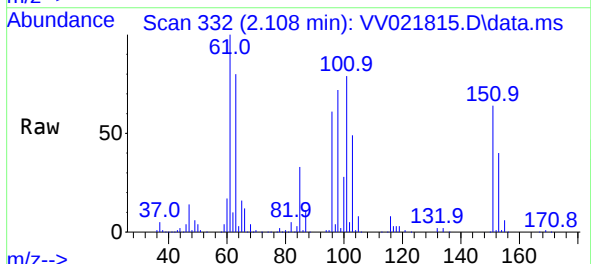
Tgt Ion:101 Resp: 149963
Ion Ratio Lower Upper
101 100
85 41.4 33.4 50.2
151 80.4 62.2 93.2

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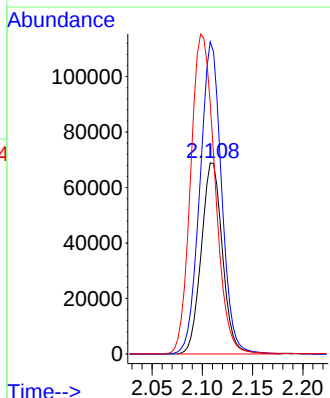
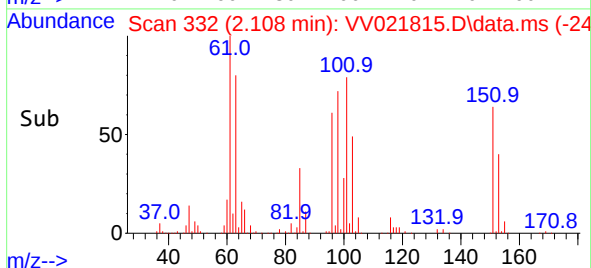
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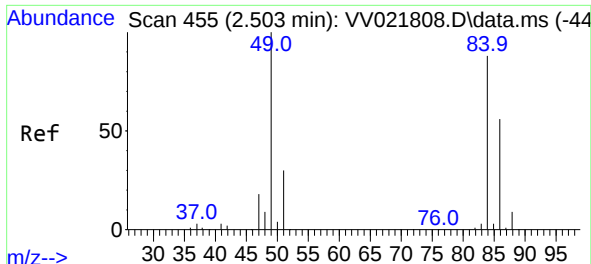


#12
1,1-Dichloroethene
Concen: 39.015 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.007 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20



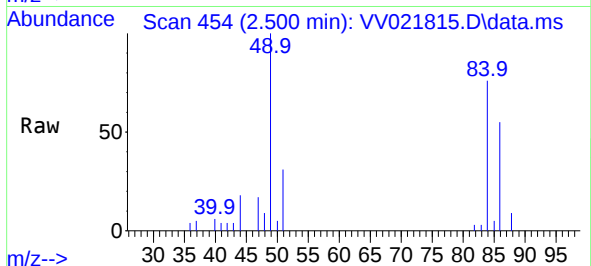
Tgt Ion: 96 Resp: 100774
Ion Ratio Lower Upper
96 100
61 163.4 115.5 214.5
63 131.2 90.3 167.7





#16
Methylene chloride
Concen: 1.607 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Instrument :
MSVOA_V
ClientSampled :
X3621

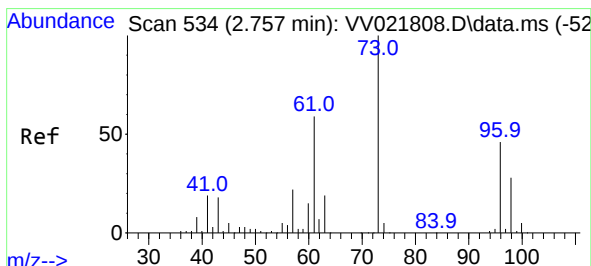
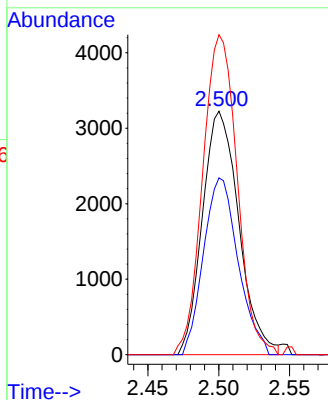
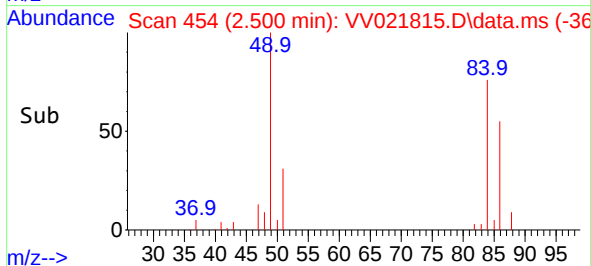


Tgt Ion: 84 Resp: 5773

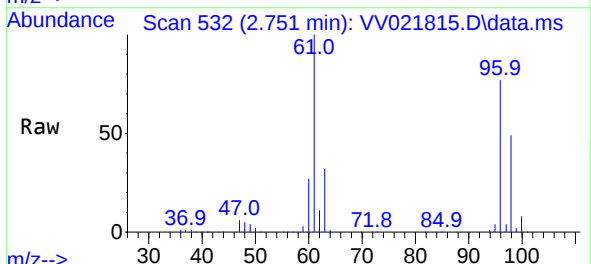
Ion	Ratio	Lower	Upper
84	100		
86	72.6	44.7	83.1
49	131.4	82.5	153.3

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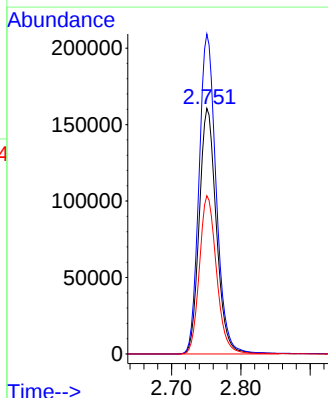
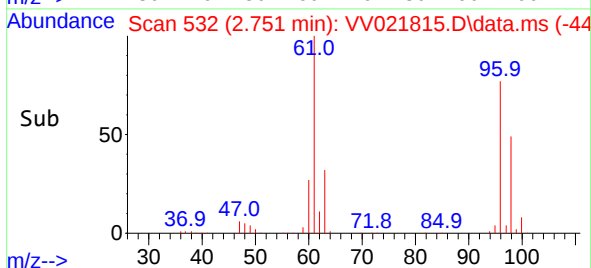


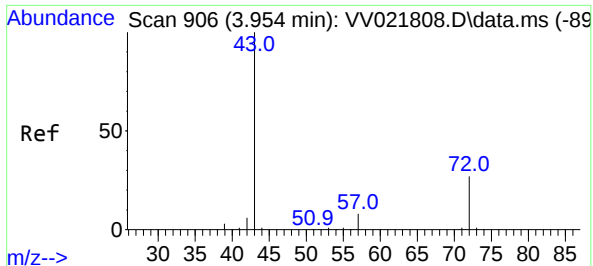
#17
trans-1,2-Dichloroethene
Concen: 90.917 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.007 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20



Tgt Ion: 96 Resp: 275565

Ion	Ratio	Lower	Upper
96	100		
61	130.3	90.4	168.0
98	64.4	44.4	82.5





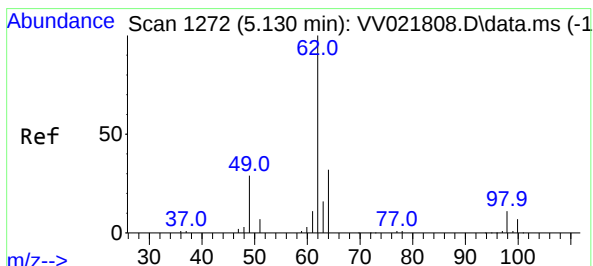
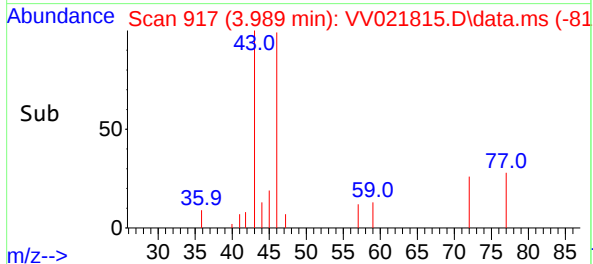
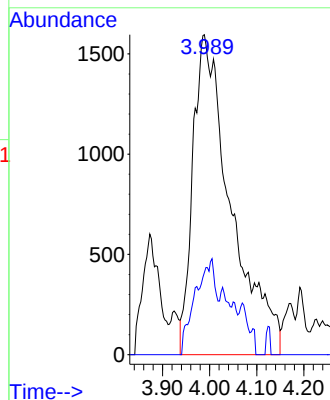
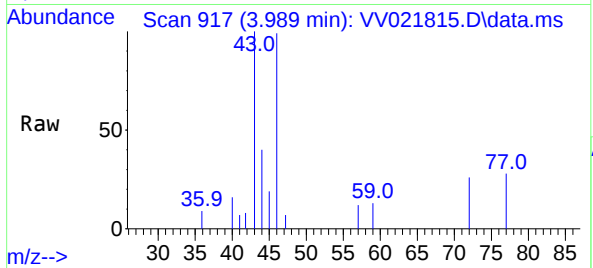
#22
2-Butanone
Concen: 3.517 ug/L m
RT: 3.989 min Scan# 917
Delta R.T. 0.035 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 43 Resp: 8953
Ion Ratio Lower Upper
43 100
72 2.1 13.6 40.8#

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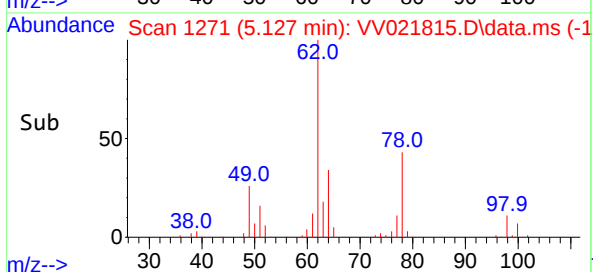
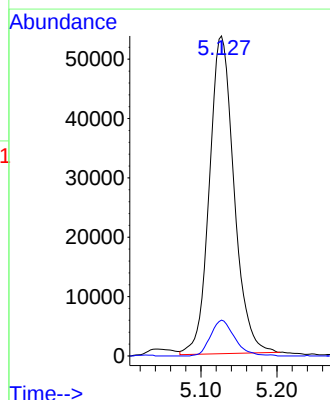
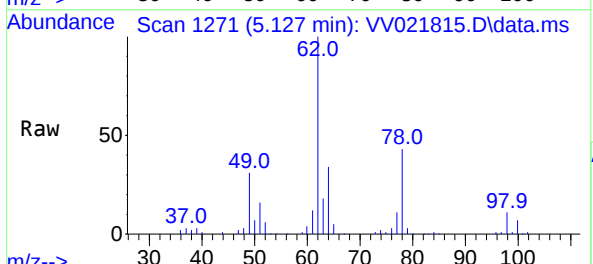
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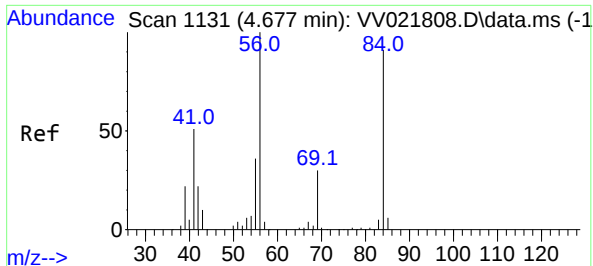
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#27
1,2-Dichloroethane
Concen: 29.516 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 62 Resp: 120730
Ion Ratio Lower Upper
62 100
98 11.2 8.6 13.0





#29

Cyclohexane

Concen: 55.132 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.007 min

Lab File: VV021815.D

Acq: 17 Aug 2021 15:20

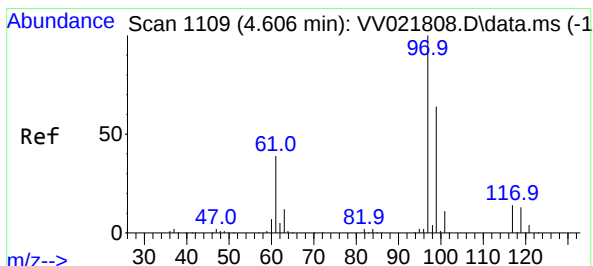
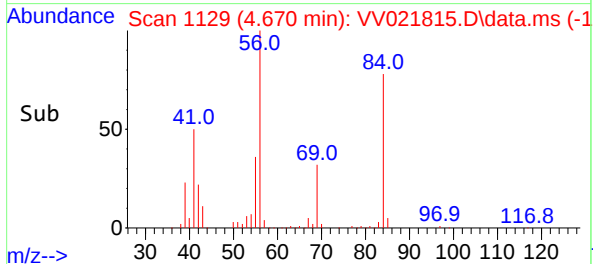
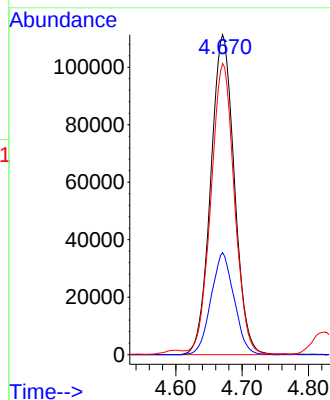
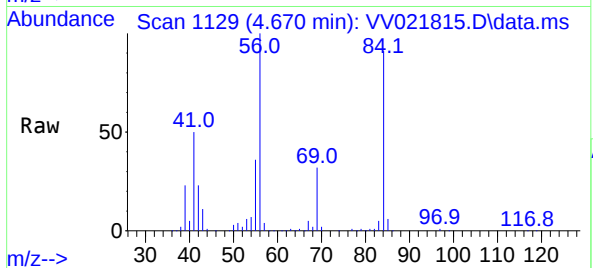
Tgt Ion: 56 Resp: 275623

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	90.4	72.6	109.0

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#30

1,1,1-Trichloroethane

Concen: 46.453 ug/L

RT: 4.603 min Scan# 1108

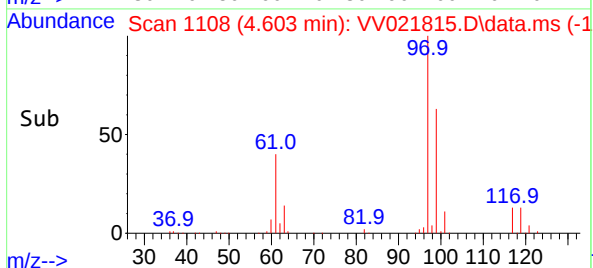
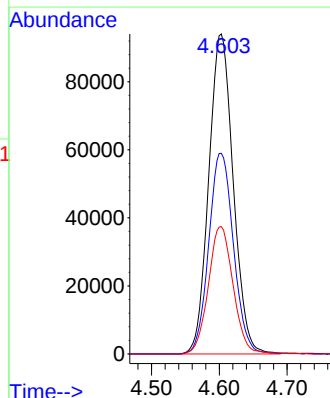
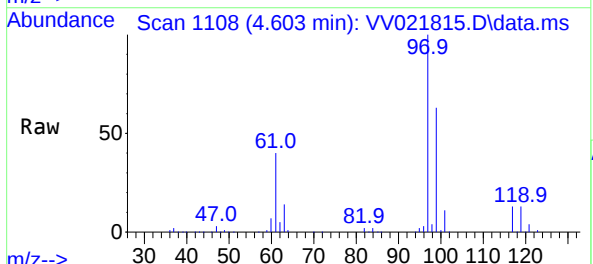
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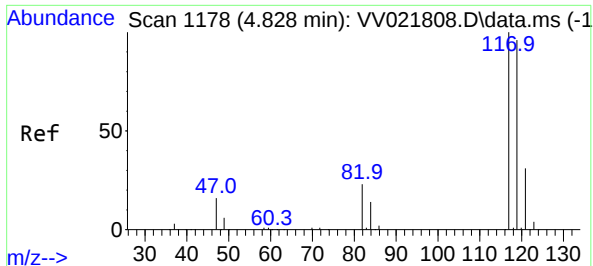
Lab File: VV021815.D

Acq: 17 Aug 2021 15:20

Tgt Ion: 97 Resp: 235954

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	40.2	32.3	48.5





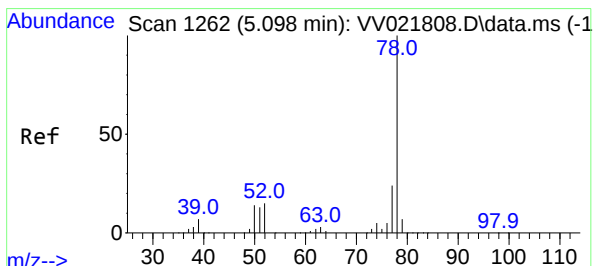
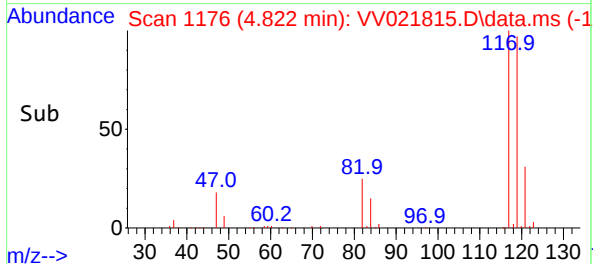
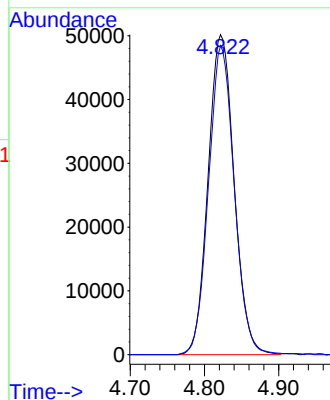
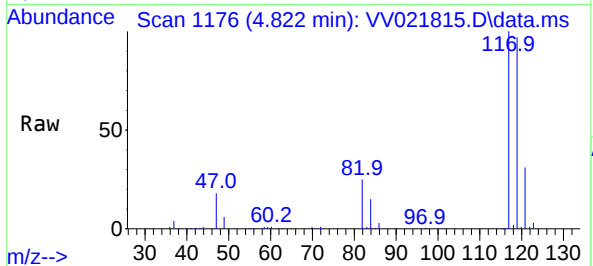
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Carbon tetrachloride
Concen: 27.771 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. -0.007 min
Lab File: VV021815.D
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Tgt Ion:117 Resp: 122055
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7

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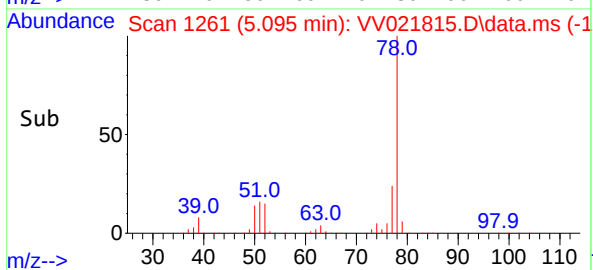
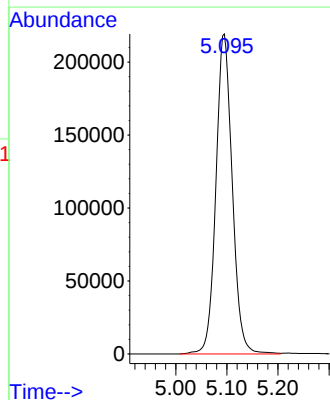
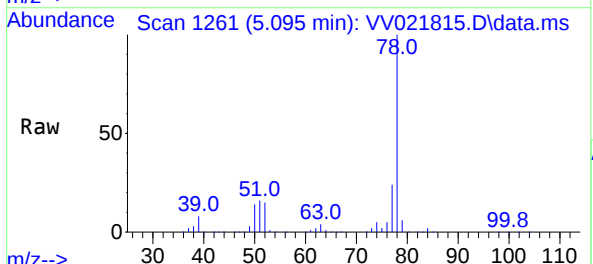
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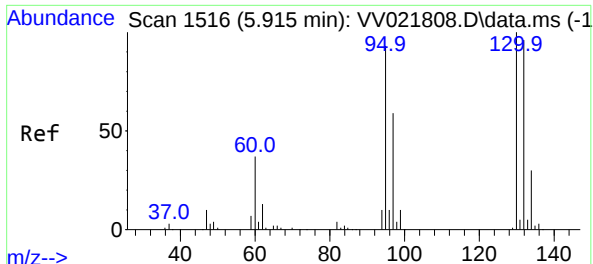
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#33
Benzene
Concen: 38.938 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 78 Resp: 486394





#34
Trichloroethene
Concen: 17.221 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

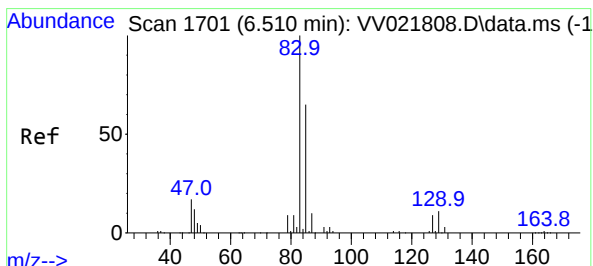
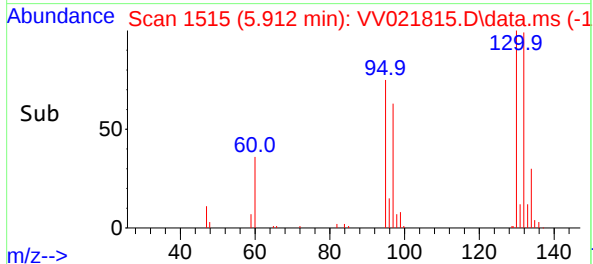
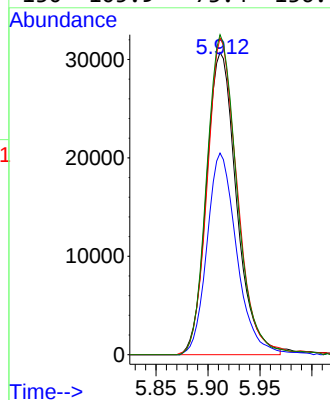
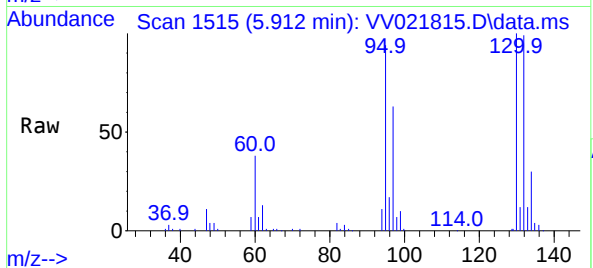
Tgt Ion: 95 Resp: 61818

Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.1	81.9
132	104.8	70.2	130.4
130	105.9	73.4	136.4

Instrument :
MSVOA_V
ClientSampled :
X3621

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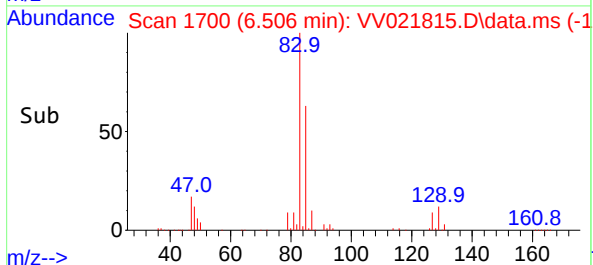
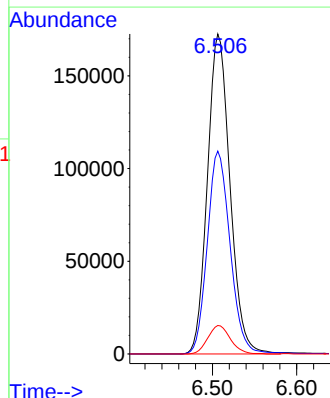
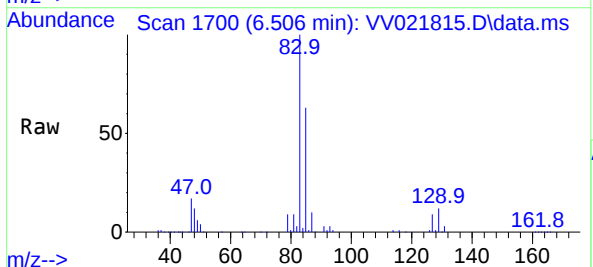
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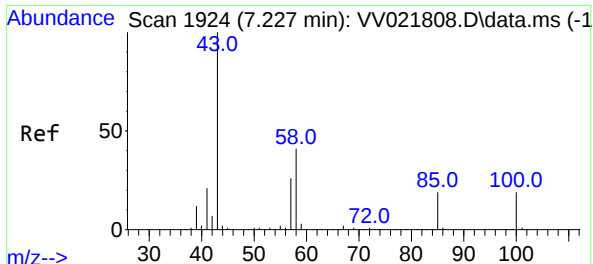


#38
Bromodichloromethane
Concen: 77.077 ug/L
RT: 6.506 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 83 Resp: 321321

Ion	Ratio	Lower	Upper
83	100		
85	63.4	45.7	84.9
127	8.9	7.4	11.2





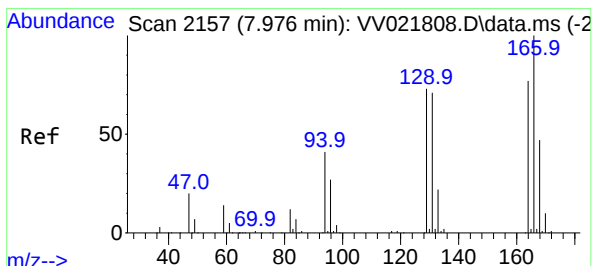
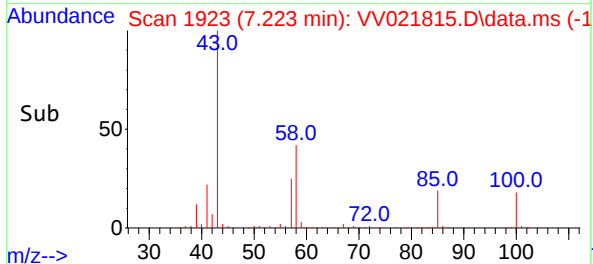
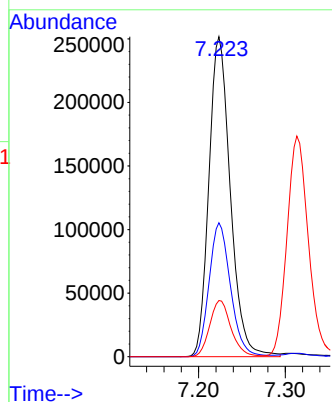
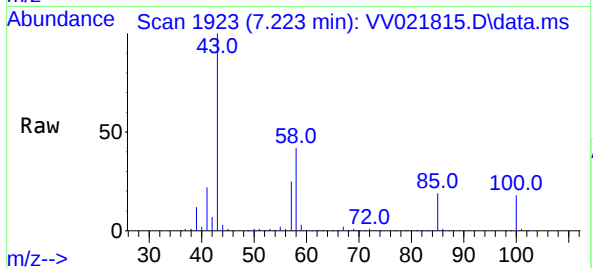
#40
4-Methyl-2-pentanone
Concen: 99.422 ug/L
RT: 7.223 min Scan# 1923
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 43 Resp: 432578
Ion Ratio Lower Upper
43 100
58 41.8 32.9 49.3
100 17.5 14.0 21.0

Instrument :
MSVOA_V
ClientSampled :
X3621

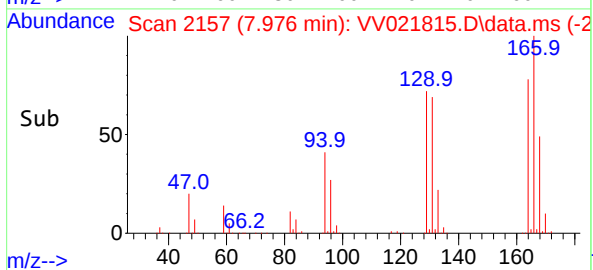
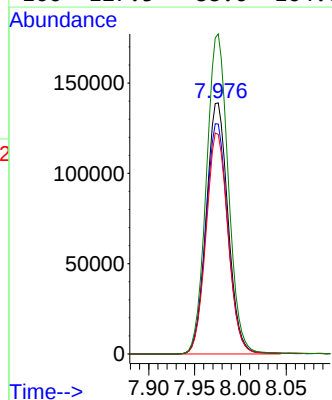
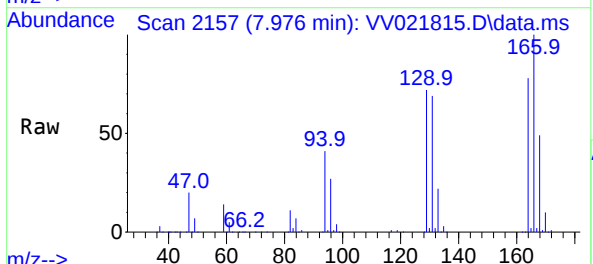
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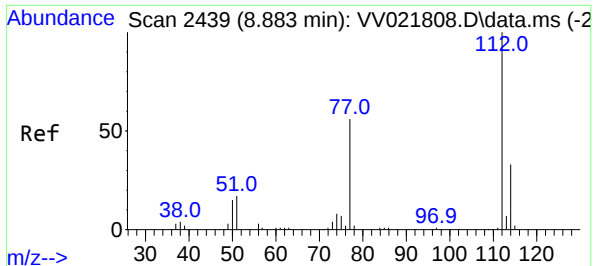
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#46
Tetrachloroethene
Concen: 86.673 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 164 Resp: 231223
Ion Ratio Lower Upper
164 100
129 91.6 63.7 118.3
131 87.5 61.5 114.3
166 127.5 88.6 164.6





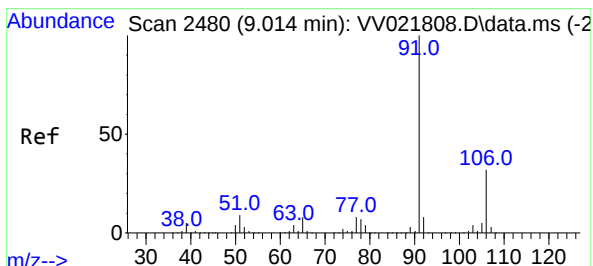
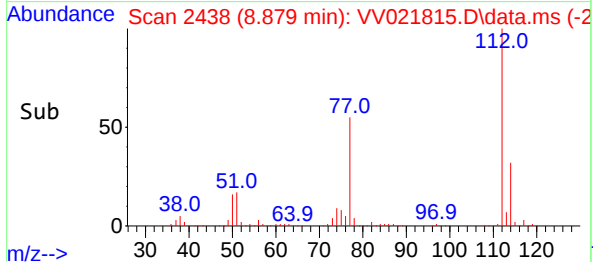
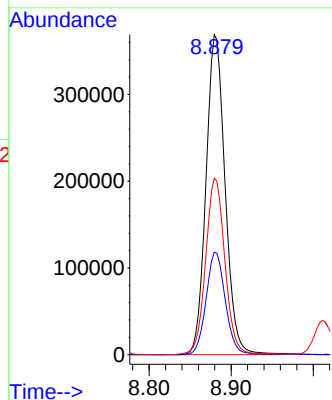
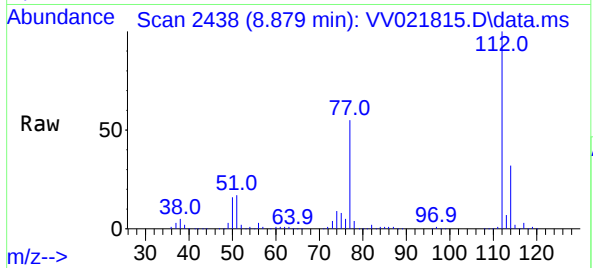
#51
Chlorobenzene
Concen: 68.682 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

Tgt Ion: 112 Resp: 598276
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 55.2 43.7 65.5

Instrument :
MSVOA_V
ClientSampleId :
X3621

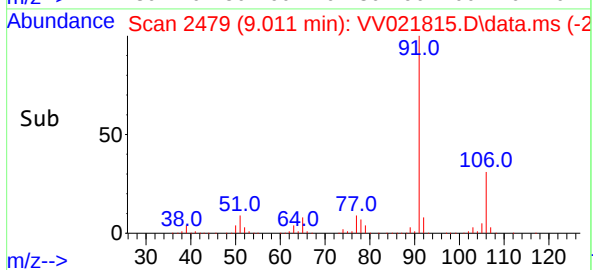
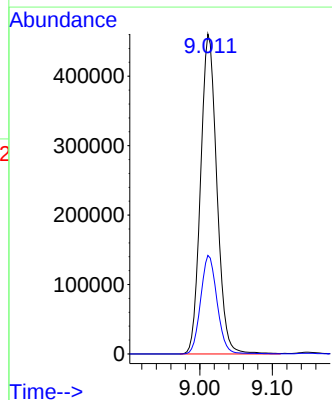
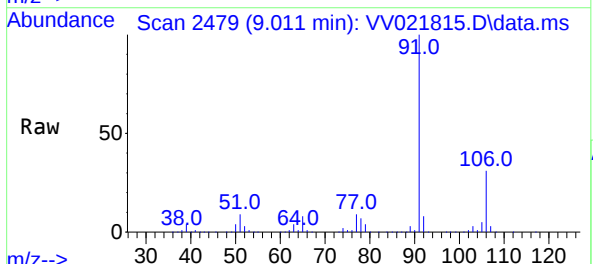
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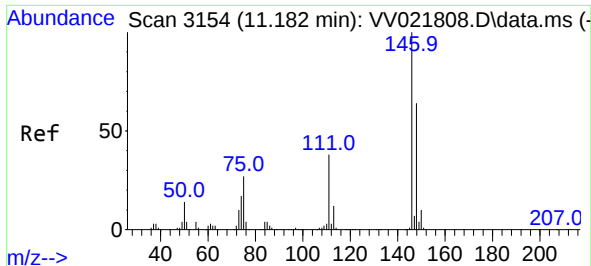
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#52
Ethylbenzene
Concen: 50.410 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

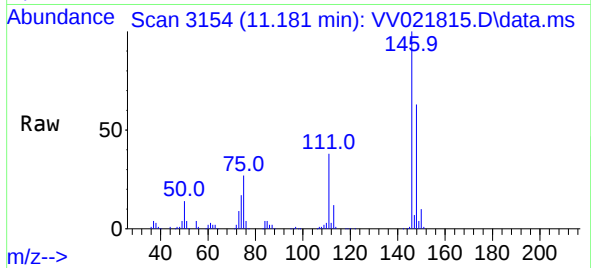
Tgt Ion: 91 Resp: 717505
Ion Ratio Lower Upper
91 100
106 30.8 22.2 41.2





#64
1,3-Dichlorobenzene
Concen: 19.224 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

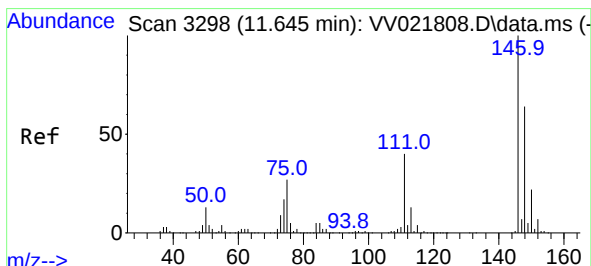
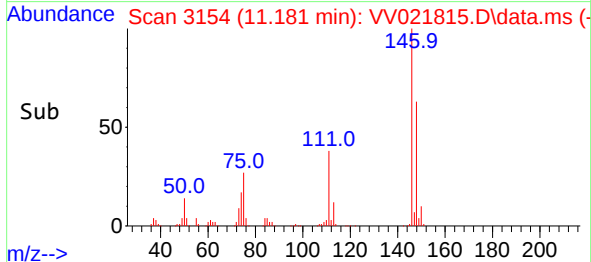
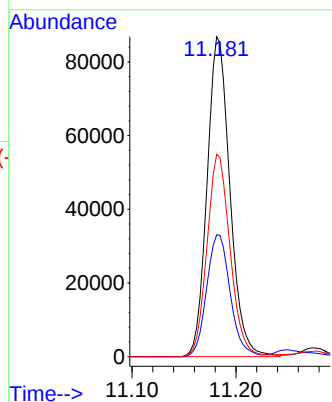
Instrument :
MSVOA_V
ClientSampleId :
X3621



Tgt Ion:146 Resp: 132499
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.1
148 63.3 44.3 82.3

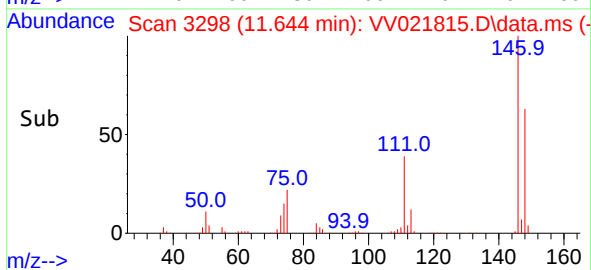
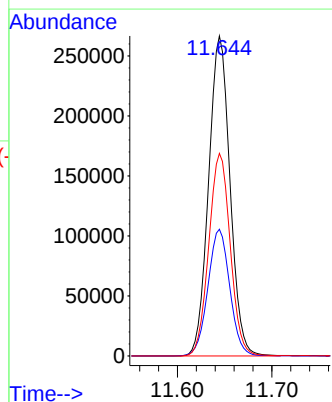
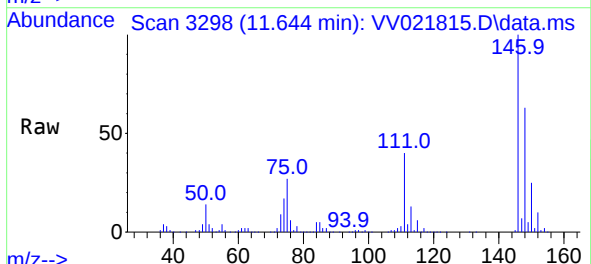
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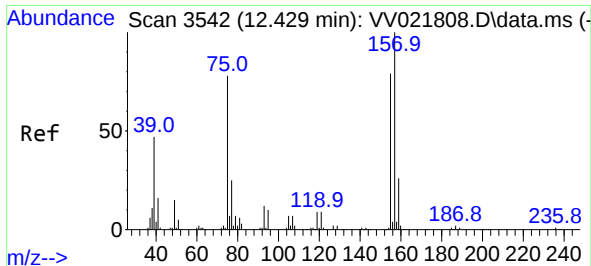
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#67
1,2-Dichlorobenzene
Concen: 60.303 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV021815.D
Acq: 17 Aug 2021 15:20

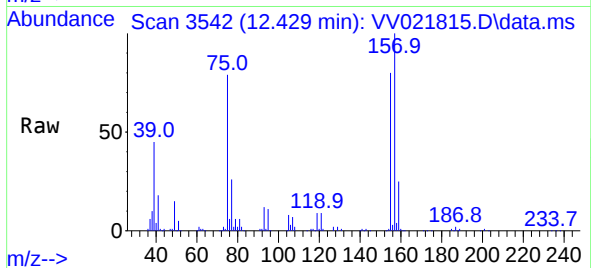
Tgt Ion:146 Resp: 419282
Ion Ratio Lower Upper
146 100
111 39.6 31.8 47.8
148 63.3 51.0 76.6





#68
 1,2-Dibromo-3-chloropropane
 Concen: 110.753 ug/L
 RT: 12.429 min Scan# 3542
 Delta R.T. -0.000 min
 Lab File: VV021815.D
 Acq: 17 Aug 2021 15:20

Instrument :
 MSVOA_V
 ClientSampleId :
 X3621



Tgt Ion: 75 Resp: 105641

Ion	Ratio	Lower	Upper
75	100		
155	101.7	77.8	116.8
157	127.3	99.4	149.0

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