

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031022\
 Data File : VW024922.D
 Acq On : 10 Mar 2022 17:43
 Operator : SY/MD
 Sample : N1816-20ME
 Misc : 6.52g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBSE5ME

Quant Time: Mar 11 02:49:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 11 02:45:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	64073	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	65522	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	30467	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	265526	407.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 815.120%#	
7) Chloroethane-d5	1.568	69	167595	327.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 655.760%#	
11) 1,1-Dichloroethene-d2	2.085	63	338322	309.394	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	= 618.780%#	
21) 2-Butanone-d5	3.902	46	280817	757.389	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	= 757.390%#	
24) Chloroform-d	4.343	84	450970	396.529	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 793.060%#	
26) 1,2-Dichloroethane-d4	5.027	65	281308	419.219	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 838.440%#	
32) Benzene-d6	5.040	84	981868	404.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 808.580%#	
36) 1,2-Dichloropropane-d6	6.066	67	307189	405.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 811.960%#	
41) Toluene-d8	7.313	98	886530	412.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 824.080%#	
43) trans-1,3-Dichloroprop...	7.619	79	137595	418.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 837.000%#	
47) 2-Hexanone-d5	8.095	63	54732	190.566	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 190.570%#	
56) 1,1,2,2-Tetrachloroeth...	10.223	84	357581	398.432	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 796.860%#	
66) 1,2-Dichlorobenzene-d4	11.625	152	292968	417.443	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 834.880%#	
Target Compounds						Qvalue
3) Chloromethane	1.240	50	3087	4.933	ug/L	99
5) Vinyl chloride	1.307	62	1131	1.761	ug/L #	1
6) Bromomethane	1.523	94	626	1.632	ug/L	100
9) Trichlorofluoromethane	2.089	101	3018	3.675	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-...	2.089	101	3018	6.197	ug/L #	23
12) 1,1-Dichloroethene	2.085	96	2697	5.687	ug/L #	1
15) Methyl Acetate	2.439	43	493	1.014	ug/L #	49
22) 2-Butanone	3.998	43	6238	19.215	ug/L	100
25) Chloroform	4.368	83	9916	10.322	ug/L	95
33) Benzene	5.040	78	7222	3.266	ug/L	100
35) Methylcyclohexane	6.066	83	72428	78.751	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	31080	56.012	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	8261	9.892	ug/L #	71
40) 4-Methyl-2-pentanone	7.310	43	3215	4.860	ug/L #	1
42) Toluene	7.391	91	12387	5.368	ug/L	98
44) trans-1,3-Dichloropropene	7.619	75	5464	7.122	ug/L #	81
46) Tetrachloroethene	7.982	164	446	1.139	ug/L	79
48) 2-Hexanone	8.127	43	23638	45.400	ug/L #	70
57) 1,1,2,2-Tetrachloroethane	10.236	83	1432	1.899	ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Fri Mar 11 02:45:24 2022
Response via : Initial Calibration

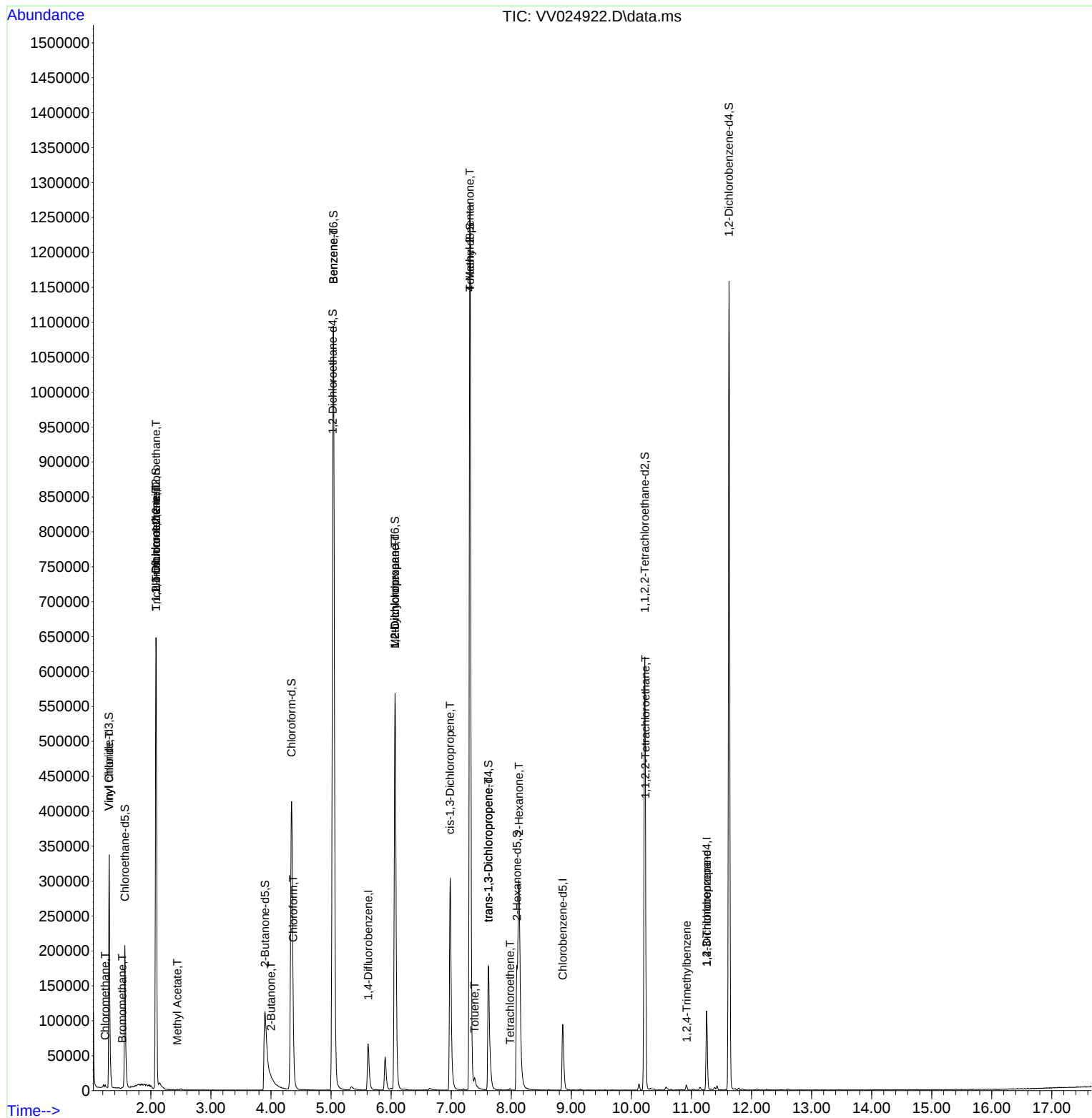
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.252	75	3842	6.302	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.924	105	1470	0.803	ug/L #	84

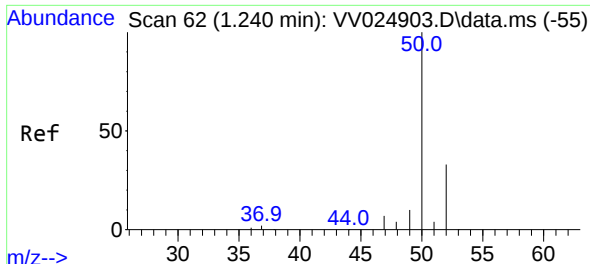
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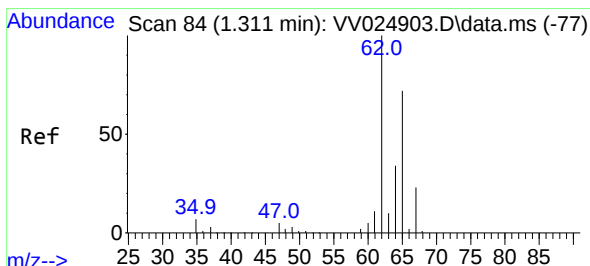
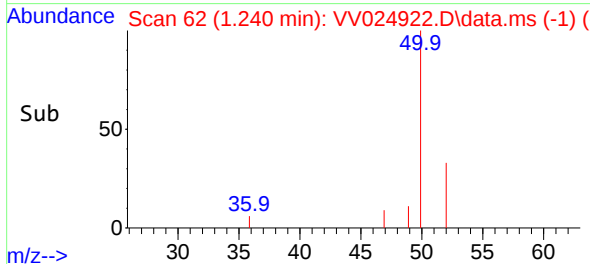
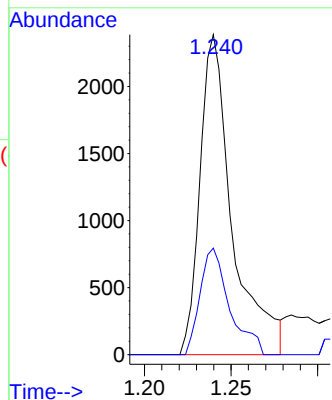
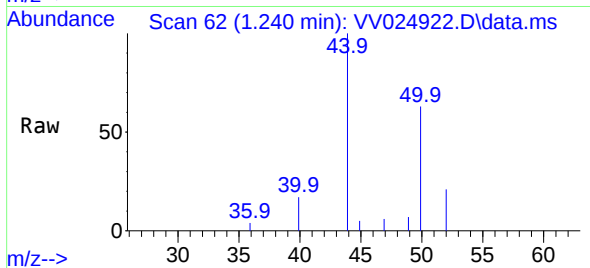




#3
Chloromethane
Concen: 4.933 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

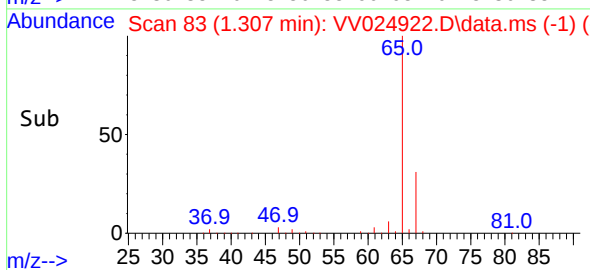
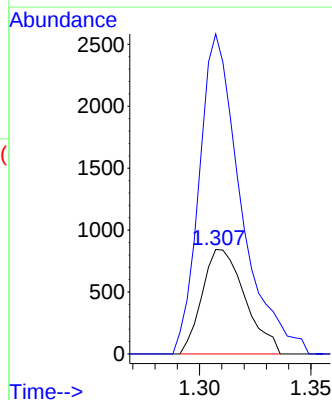
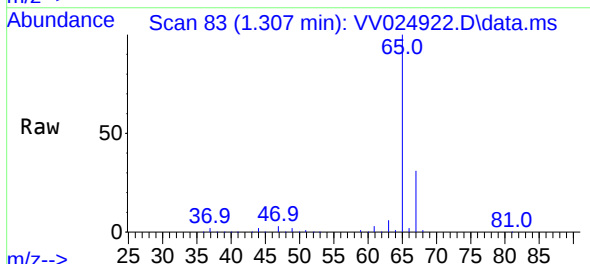
Instrument :
MSVOA_V
ClientSampleId :
DBSE5ME

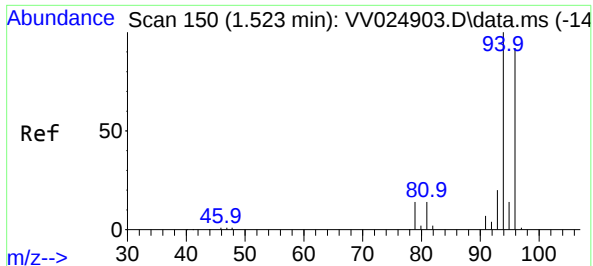
Tgt Ion: 50 Resp: 3087
Ion Ratio Lower Upper
50 100
52 33.3 22.8 42.4



#5
Vinyl chloride
Concen: 1.761 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Tgt Ion: 62 Resp: 1131
Ion Ratio Lower Upper
62 100
64 306.2 23.2 43.0#

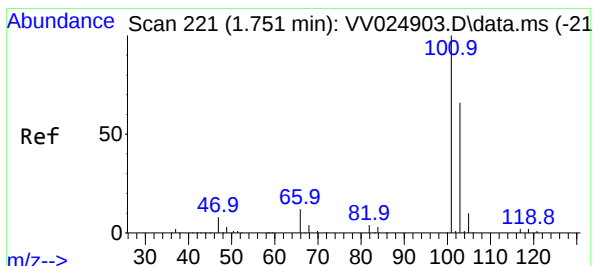
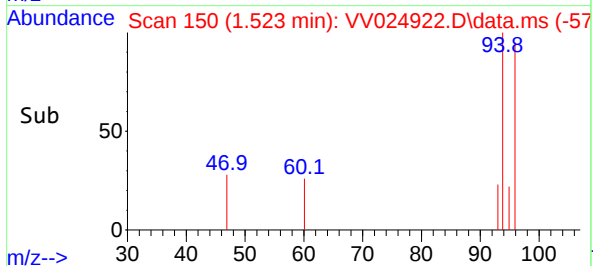
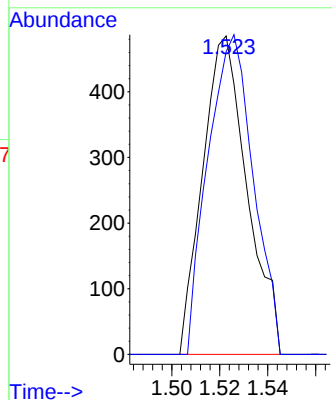
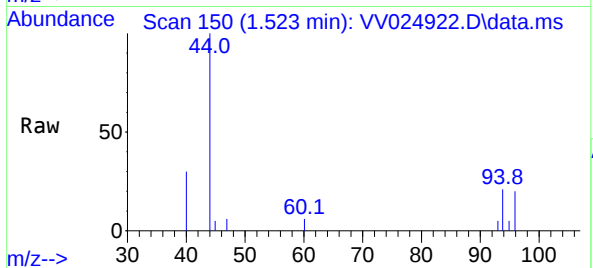




#6
Bromomethane
Concen: 1.632 ug/L
RT: 1.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

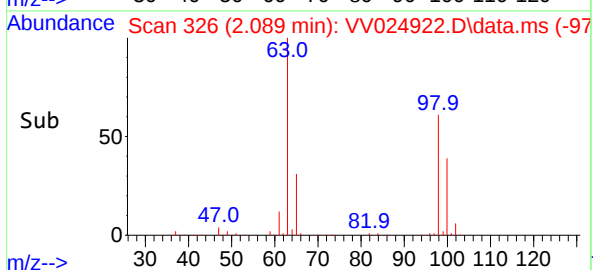
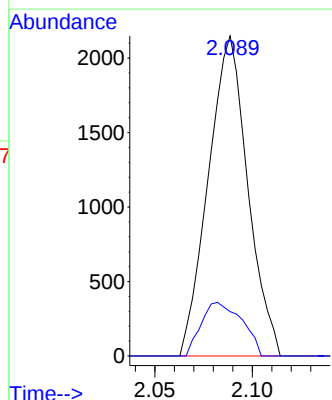
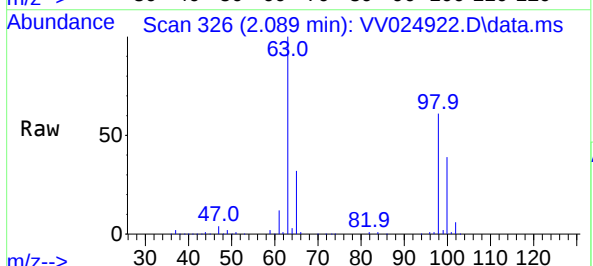
Instrument :
MSVOA_V
ClientSampleId :
DBSE5ME

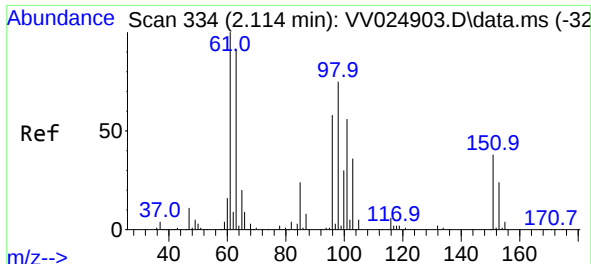
Tgt Ion: 94 Resp: 626
Ion Ratio Lower Upper
94 100
96 95.1 66.7 123.9



#9
Trichlorofluoromethane
Concen: 3.675 ug/L
RT: 2.089 min Scan# 326
Delta R.T. 0.338 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Tgt Ion:101 Resp: 3018
Ion Ratio Lower Upper
101 100
103 17.4 52.1 78.1#

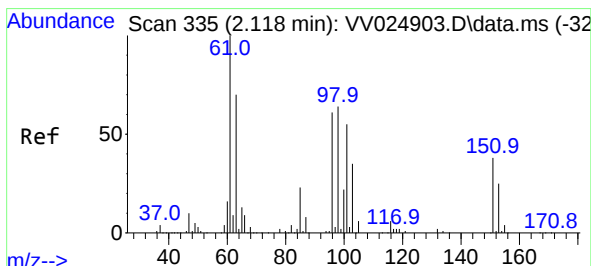
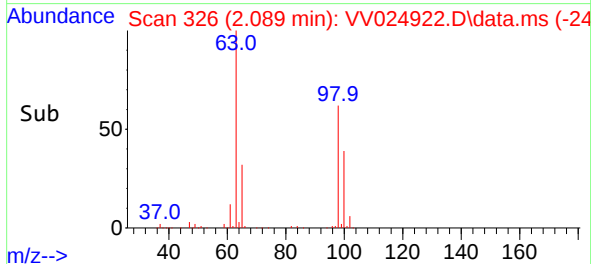
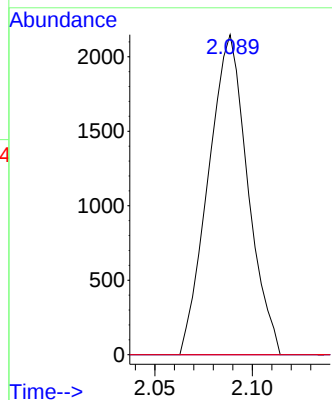
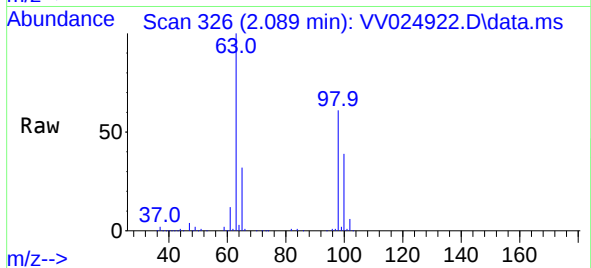




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.197 ug/L
RT: 2.089 min Scan# 31
Delta R.T. -0.026 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

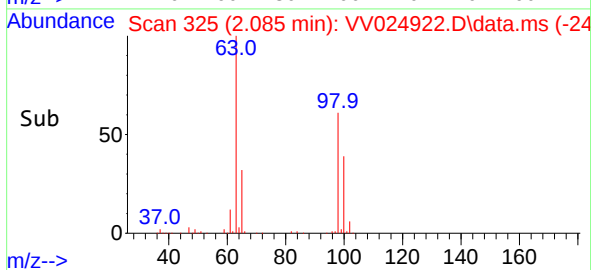
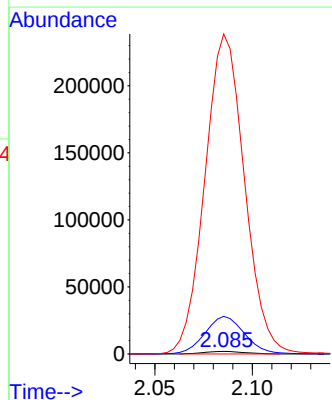
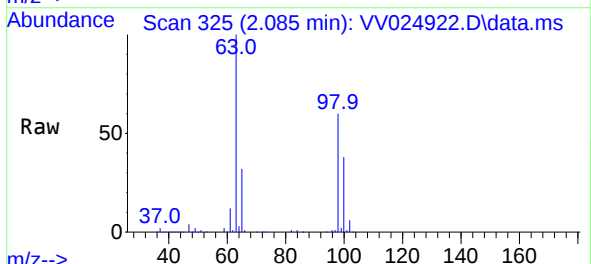
Instrument :
MSVOA_V
ClientSampleId :
DBSE5ME

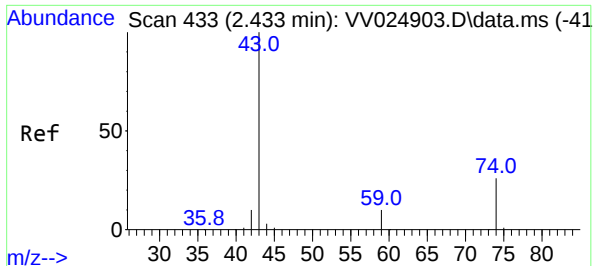
Tgt Ion:101 Resp: 3018
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.8#
151 0.0 54.1 81.1#



#12
1,1-Dichloroethene
Concen: 5.687 ug/L
RT: 2.085 min Scan# 325
Delta R.T. -0.032 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Tgt Ion: 96 Resp: 2697
Ion Ratio Lower Upper
96 100
61 1472.1 117.6 218.4#
63 12551.0 105.3 195.5#

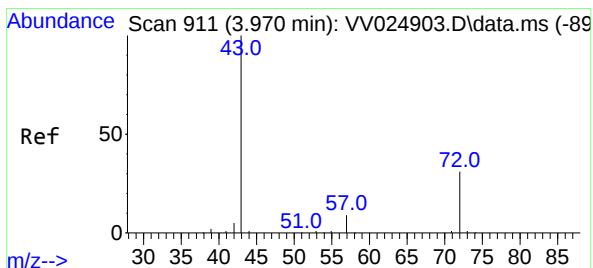
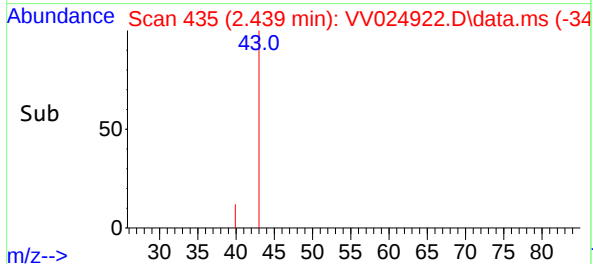
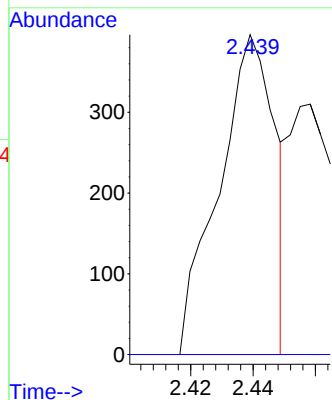
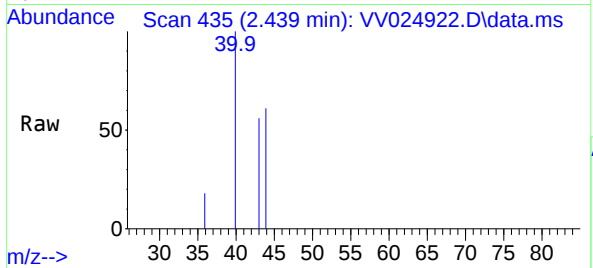




#15
Methyl Acetate
Concen: 1.014 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

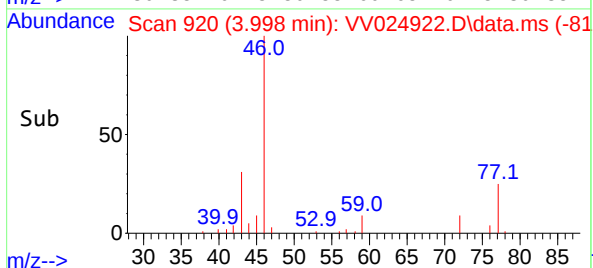
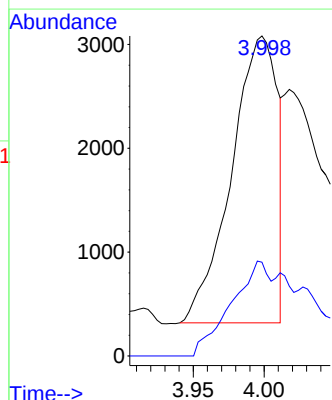
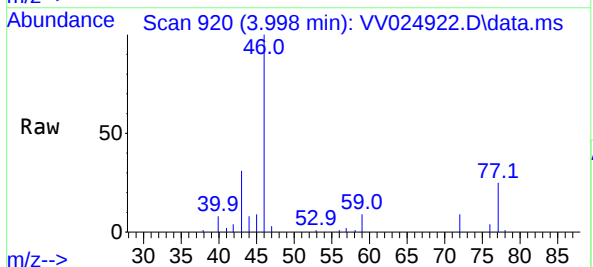
Instrument :
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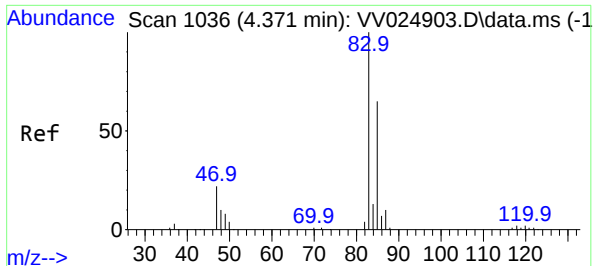
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#22
2-Butanone
Concen: 19.215 ug/L
RT: 3.998 min Scan# 920
Delta R.T. 0.029 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Tgt Ion: 43 Resp: 6238
Ion Ratio Lower Upper
43 100
72 27.6 13.9 41.6





#25

Chloroform

Concen: 10.322 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

Instrument :

MSVOA_V

ClientSampleId :

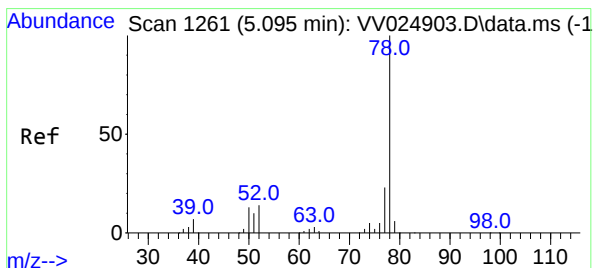
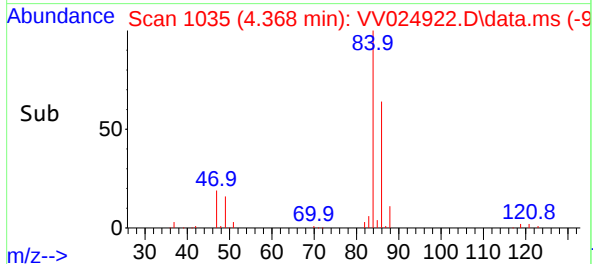
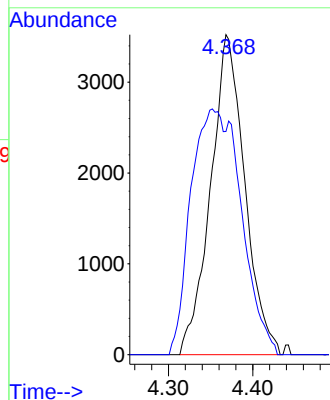
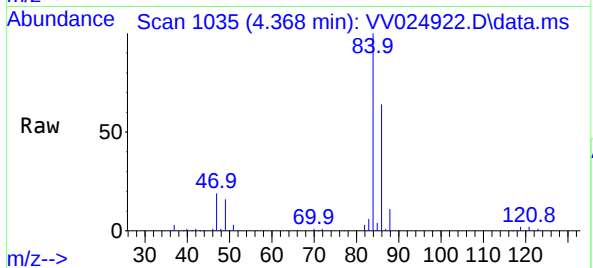
DBSE5ME

Tgt Ion: 83 Resp: 9916

Ion Ratio Lower Upper

83 100

85 69.7 46.0 85.4



#33

Benzene

Concen: 3.266 ug/L

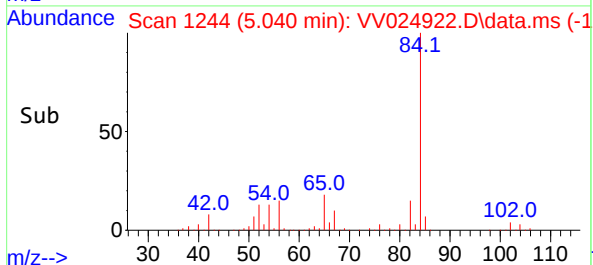
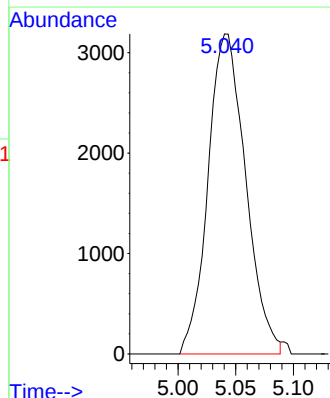
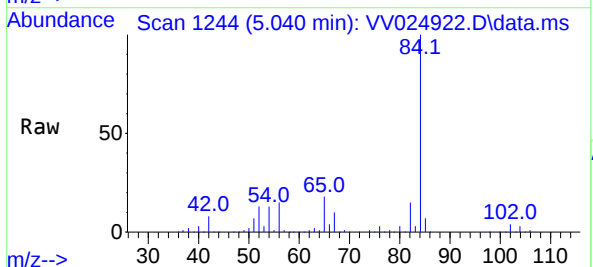
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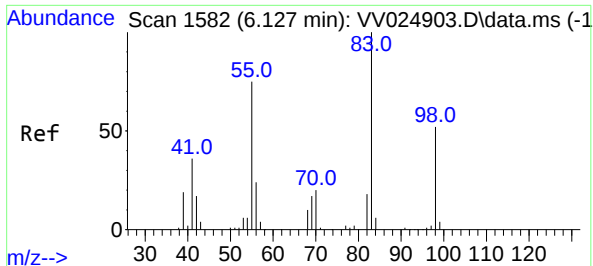
Delta R.T. -0.055 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

Tgt Ion: 78 Resp: 7222





#35

Methylcyclohexane

Concen: 78.751 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV024922.D

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Instrument :

MSVOA_V

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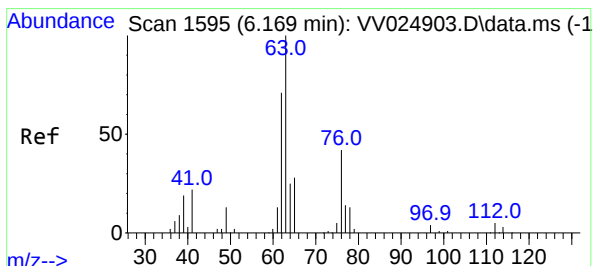
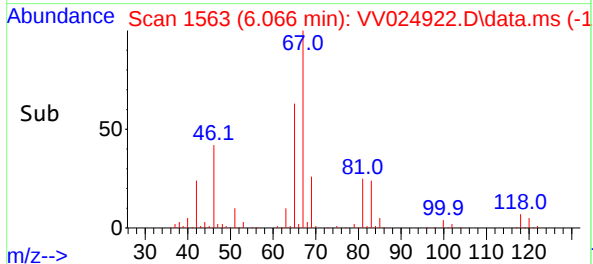
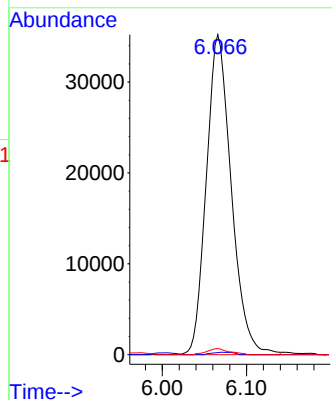
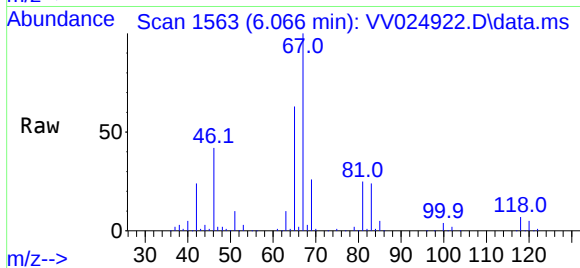
Tgt Ion: 83 Resp: 72428

Ion Ratio Lower Upper

83 100

55 0.4 57.7 86.5#

98 1.7 38.9 58.3#



#37

1,2-Dichloropropane

Concen: 56.012 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

Lab File: VV024922.D

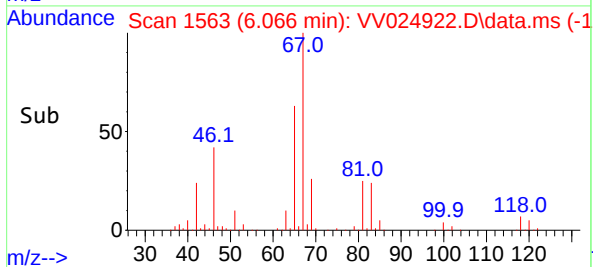
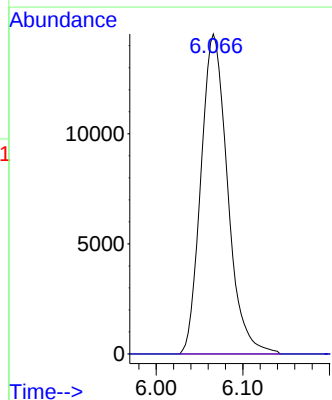
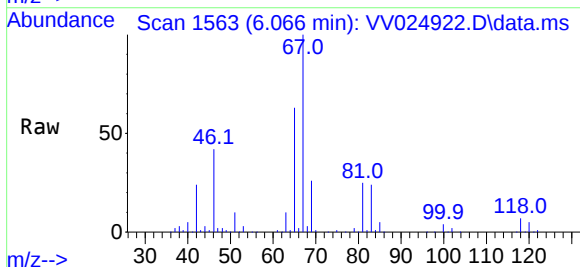
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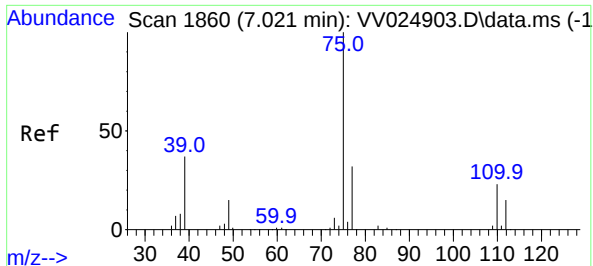
Tgt Ion: 63 Resp: 31080

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 9.892 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

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MSVOA_V

ClientSampleId :

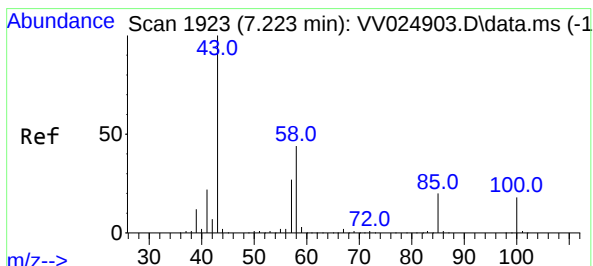
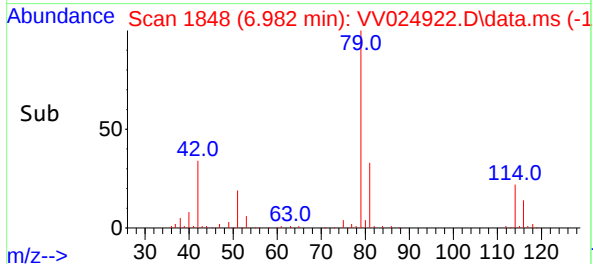
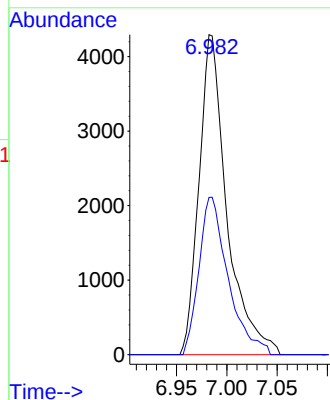
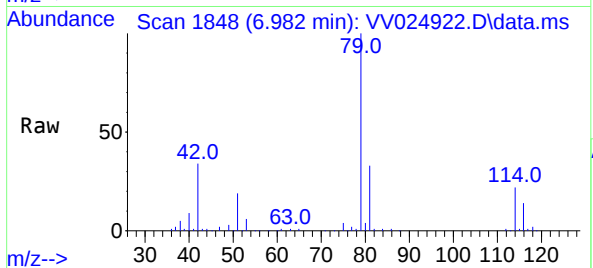
DBSE5ME

Tgt Ion: 75 Resp: 8261

Ion Ratio Lower Upper

75 100

77 49.1 22.9 42.5#



#40

4-Methyl-2-pentanone

Concen: 4.860 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.087 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

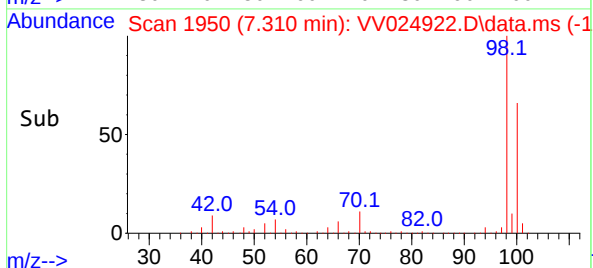
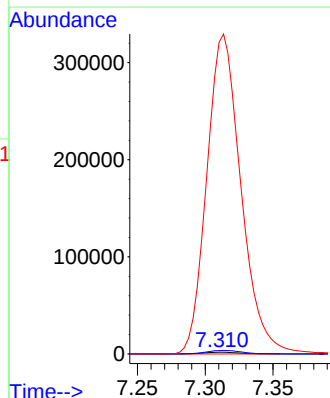
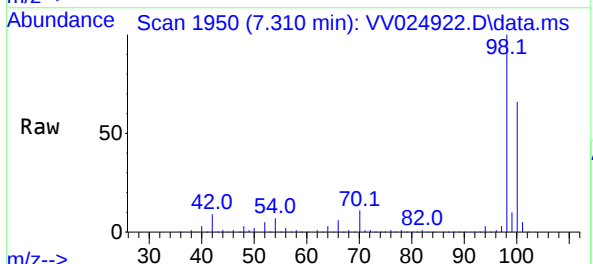
Tgt Ion: 43 Resp: 3215

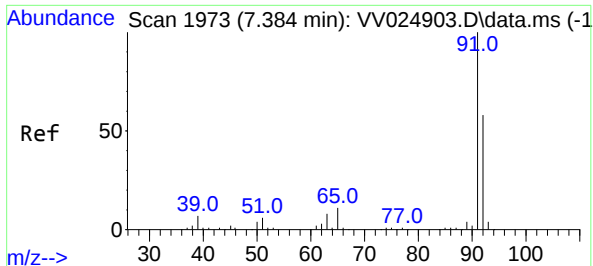
Ion Ratio Lower Upper

43 100

58 208.2 34.8 52.2#

100 18087.9 14.2 21.2#





#42

Toluene

Concen: 5.368 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

Instrument :

MSVOA_V

ClientSampleId :

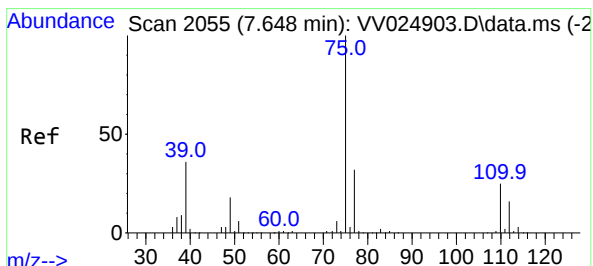
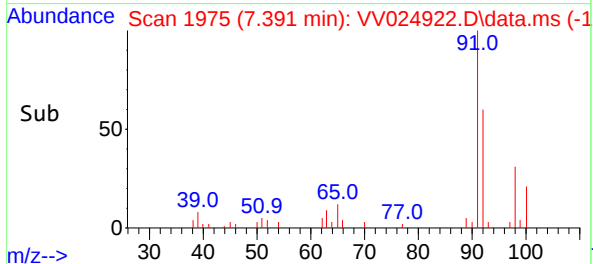
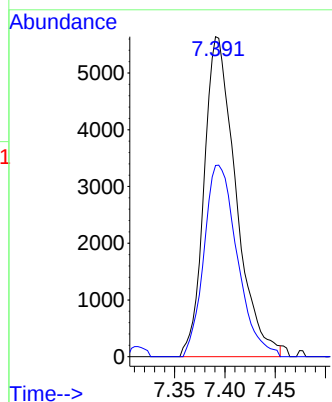
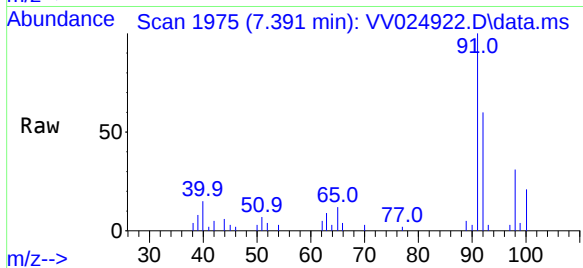
DBSE5ME

Tgt Ion: 91 Resp: 12387

Ion Ratio Lower Upper

91 100

92 59.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 7.122 ug/L

RT: 7.619 min Scan# 2046

Delta R.T. -0.029 min

Lab File: VV024922.D

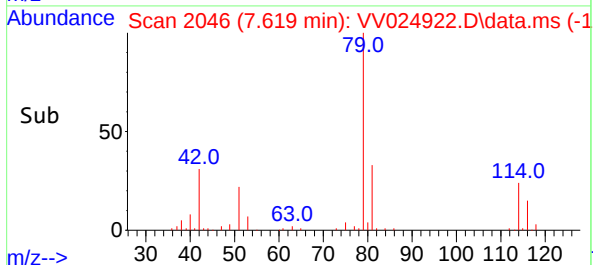
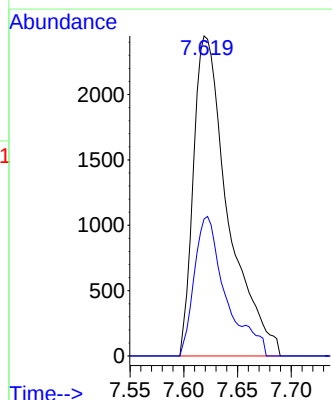
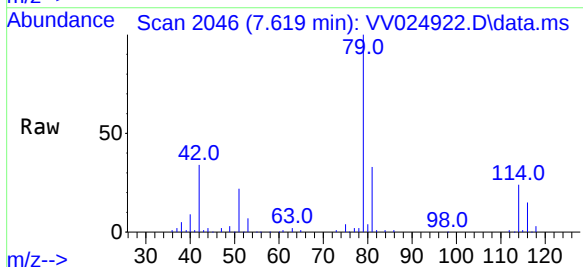
Acq: 10 Mar 2022 17:43

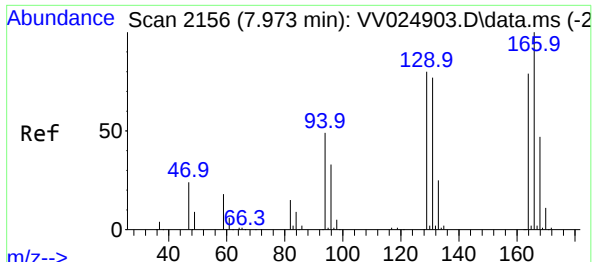
Tgt Ion: 75 Resp: 5464

Ion Ratio Lower Upper

75 100

77 42.8 22.5 41.9#



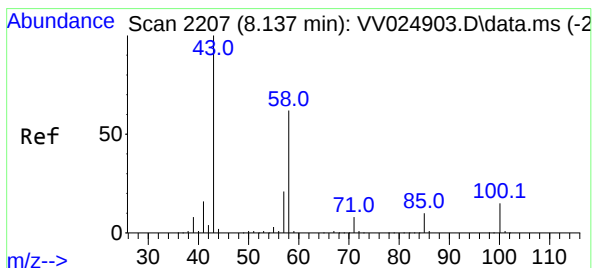
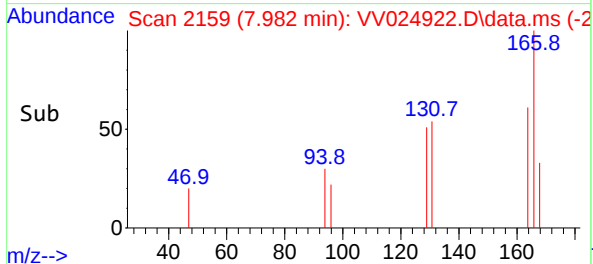
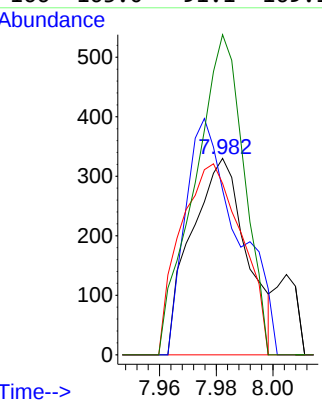
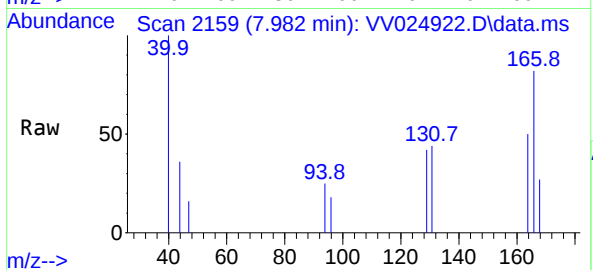


#46
Tetrachloroethene
Concen: 1.139 ug/L
RT: 7.982 min Scan# 2156
Delta R.T. 0.010 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Instrument :
MSVOA_V
ClientSampleId :
DBSE5ME

Tgt Ion:164 Resp: 446

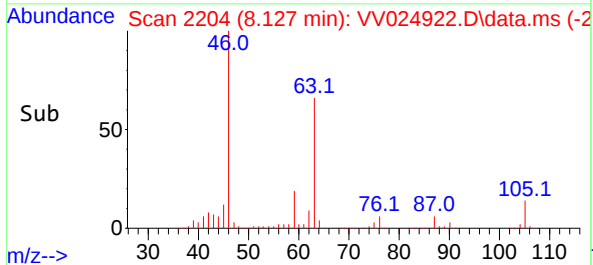
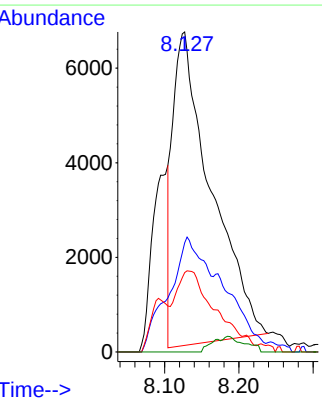
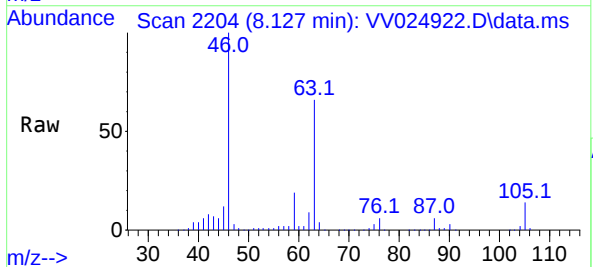
Ion	Ratio	Lower	Upper
164	100		
129	83.9	74.1	137.7
131	87.3	70.1	130.1
166	163.0	91.1	169.1

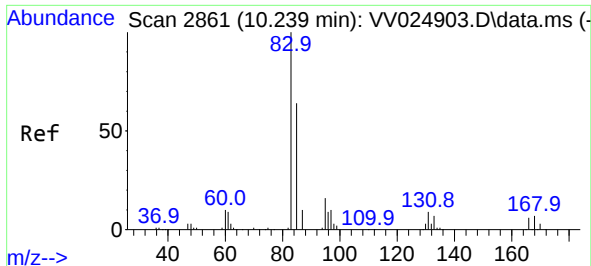


#48
2-Hexanone
Concen: 45.400 ug/L
RT: 8.127 min Scan# 2204
Delta R.T. -0.010 min
Lab File: VV024922.D
Acq: 10 Mar 2022 17:43

Tgt Ion: 43 Resp: 23638

Ion	Ratio	Lower	Upper
43	100		
58	36.1	48.6	72.8#
57	11.1	16.5	24.7#
100	1.3	11.4	17.0#





#57

1,1,2,2-Tetrachloroethane

Concen: 1.899 ug/L

RT: 10.236 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

Instrument :

MSVOA_V

ClientSampleId :

DBSE5ME

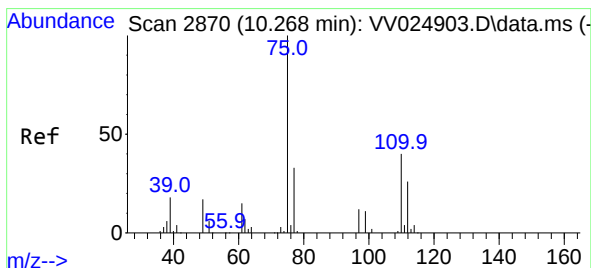
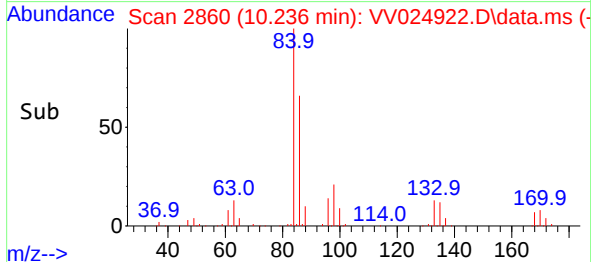
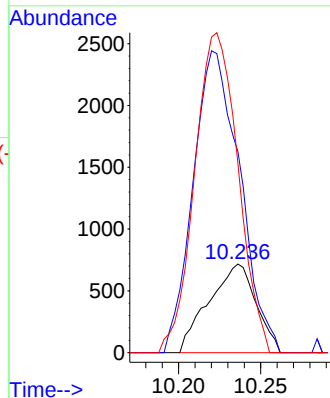
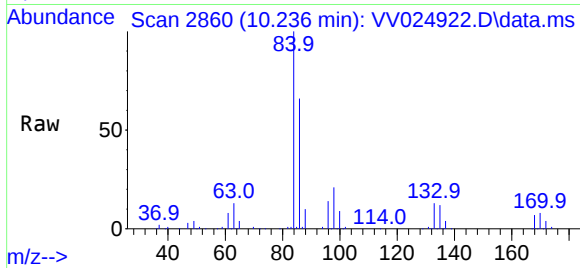
Tgt Ion: 83 Resp: 1432

Ion Ratio Lower Upper

83 100

85 226.6 44.2 82.2#

131 213.0 7.0 10.4#



#61

1,2,3-Trichloropropane

Concen: 6.302 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.984 min

Lab File: VV024922.D

Acq: 10 Mar 2022 17:43

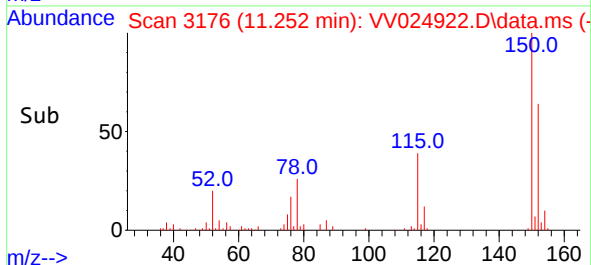
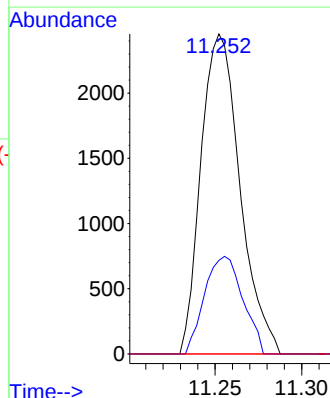
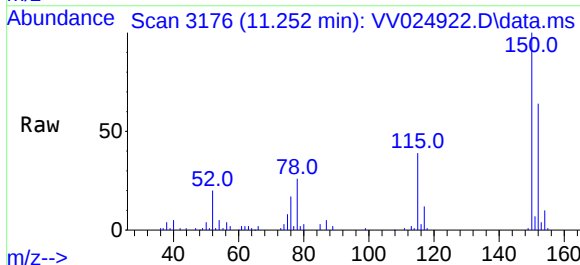
Tgt Ion: 75 Resp: 3842

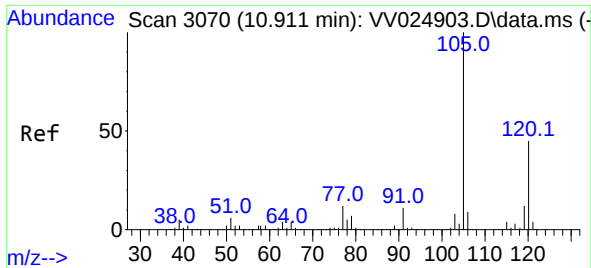
Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0

110 0.0 31.4 47.2#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.803 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.013 min
 Lab File: VV024922.D
 Acq: 10 Mar 2022 17:43

Instrument :
 MSVOA_V
 ClientSampleId :
 DBSE5ME

Tgt Ion:105 Resp: 1470
 Ion Ratio Lower Upper
 105 100
 120 34.5 36.1 54.1#

