

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026528.D
 Acq On : 23 Jun 2022 20:43
 Operator : SY/MD
 Sample : N3400-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE9

Quant Time: Jun 24 02:05:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	176003	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	168533	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	72774	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	54236	3.832	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.577	69	49276	4.333	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.118	63	80120	3.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.800%
20) 2-Butanone-d5	3.928	46	91047	64.699	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.400%
24) Chloroform-d	4.359	84	116775	5.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.043	65	48022	5.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	5.060	84	228634	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.072	67	69077	5.189	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.317	98	187725	4.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	7.632	79	11701	3.401	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.000%
46) 2-Hexanone-d5	8.092	63	70088	53.477	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.960%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	46698	5.362	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	67063	5.569	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.253	50	5065	0.346	ug/L	95
5) Vinyl chloride	1.320	62	1036	0.066	ug/L #	1
6) Bromomethane	1.536	94	522	0.062	ug/L	73
8) Chloroethane	1.597	64	3171	0.299	ug/L #	65
14) Carbon disulfide	2.307	76	12567	0.401	ug/L	98
16) Methylene chloride	2.516	84	2463	0.195	ug/L	82
27) 1,2-Dichloroethane	5.159	62	582	0.056	ug/L #	72
33) Benzene	5.121	78	4383	0.089	ug/L	100
35) Methylcyclohexane	6.072	83	17069	0.892	ug/L #	20
37) 1,2-Dichloropropane	6.076	63	7200	0.607	ug/L #	84
42) Toluene	7.394	91	54529	1.073	ug/L	96
49) Dibromochloromethane	7.982	129	492	0.065	ug/L #	11
51) Chlorobenzene	8.879	112	1498	0.045	ug/L #	57
52) Ethylbenzene	9.021	91	5907	0.112	ug/L	92
53) m,p-Xylene	9.140	106	6322	0.308	ug/L	85
54) o-Xylene	9.548	106	4995	0.260	ug/L	94
60) Isopropylbenzene	10.741	105	2289	0.051	ug/L	96
61) 1,2,3-Trichloropropane	11.246	75	8203	1.741	ug/L #	61
62) 1,3,5-Trimethylbenzene	10.545	105	2261	0.064	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 24 00:51:15 2022
Response via : Initial Calibration

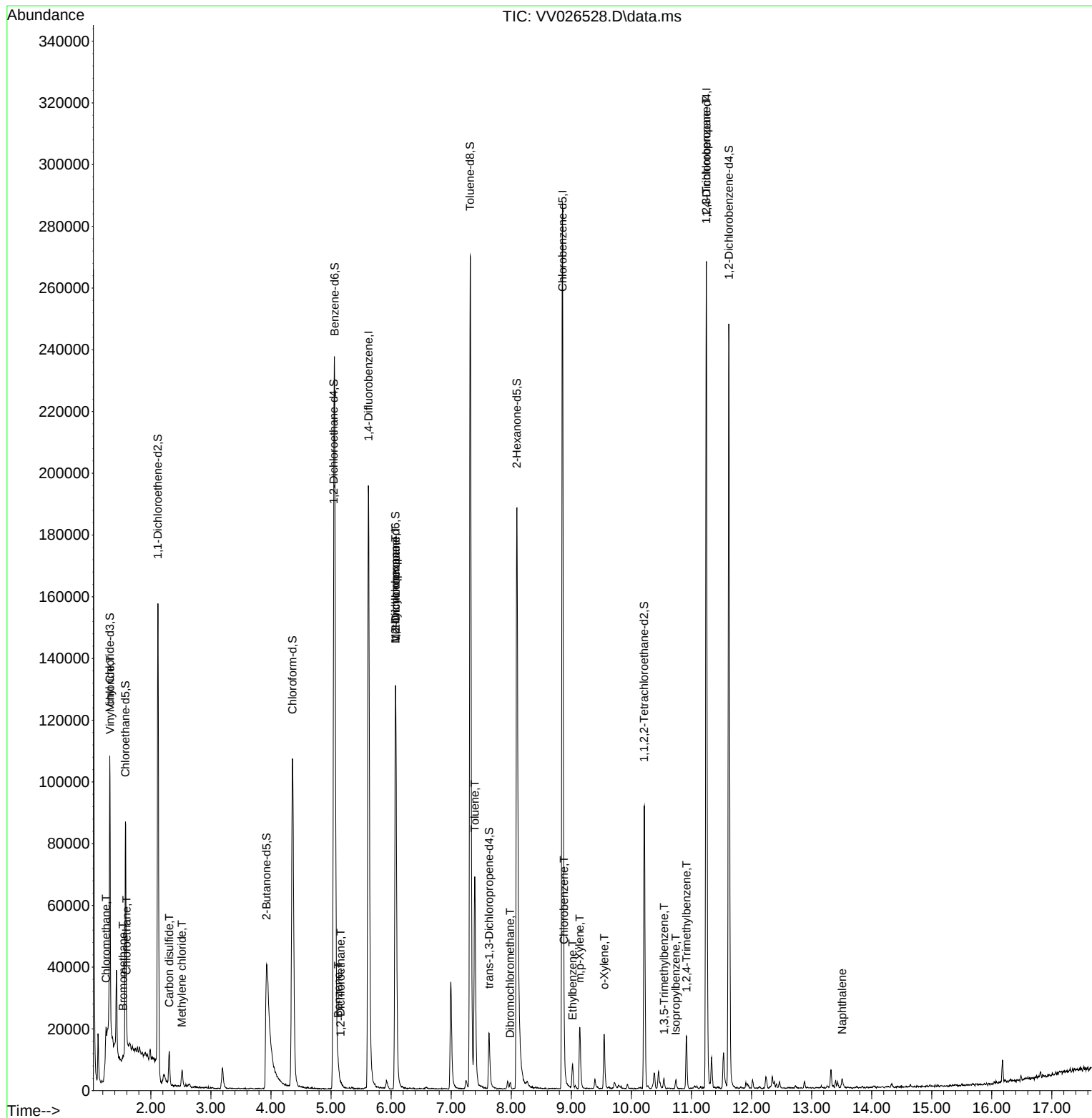
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.918	105	9425	0.269	ug/L	98
71) Naphthalene	13.509	128	3483	0.241	ug/L	97

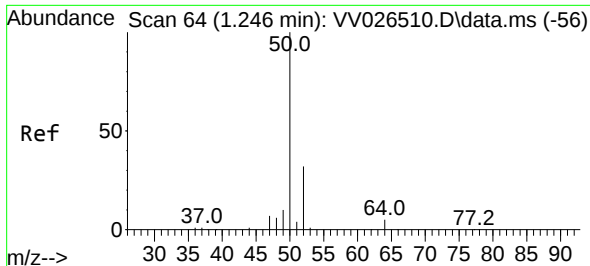
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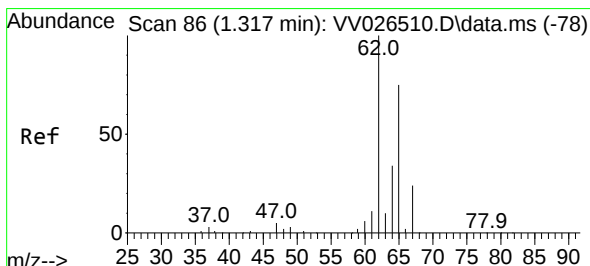
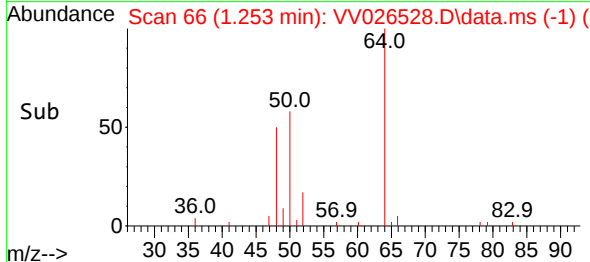
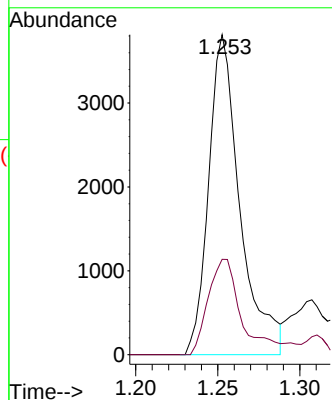
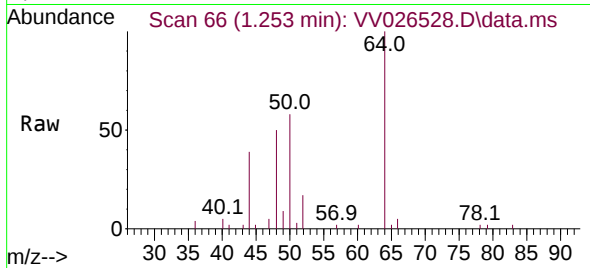




#3
Chloromethane
Concen: 0.346 ug/L
RT: 1.253 min Scan# 60
Delta R.T. 0.006 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

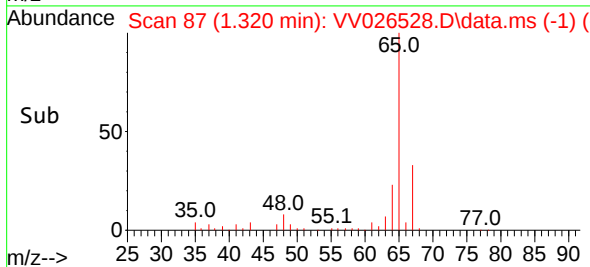
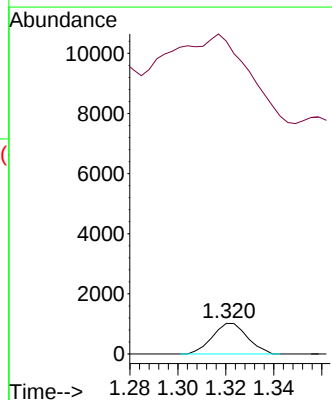
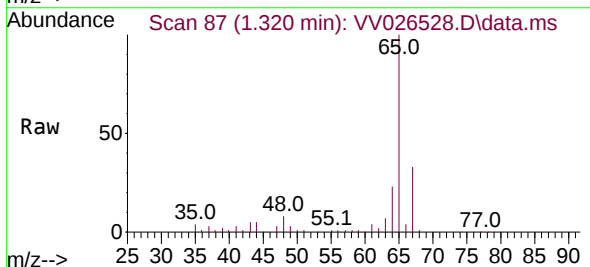
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

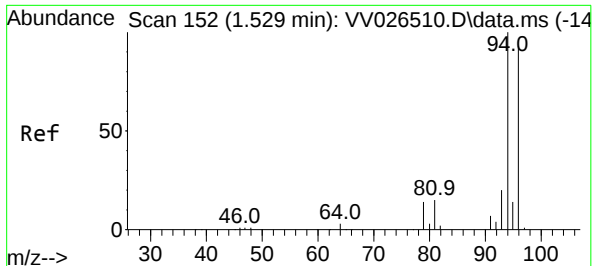
Tgt Ion: 50 Resp: 5065
Ion Ratio Lower Upper
50 100
52 29.8 23.0 42.6



#5
Vinyl chloride
Concen: 0.066 ug/L
RT: 1.320 min Scan# 87
Delta R.T. 0.003 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 62 Resp: 1036
Ion Ratio Lower Upper
62 100
64 1022.0 26.2 48.6#

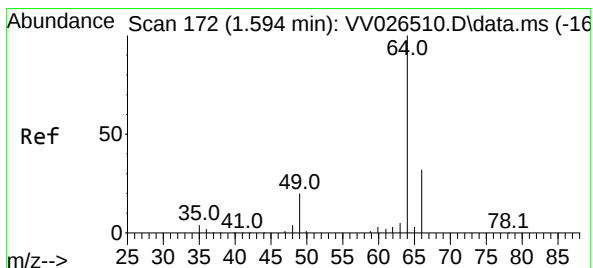
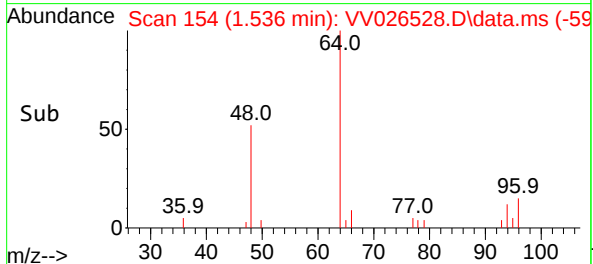
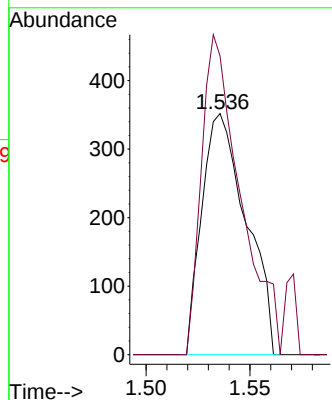
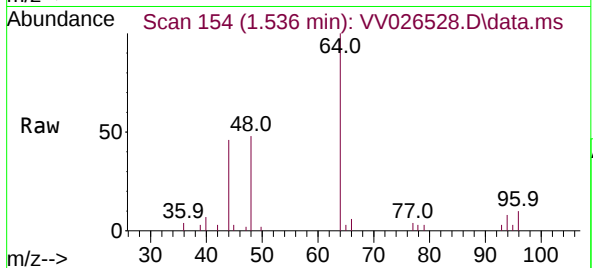




#6
Bromomethane
Concen: 0.062 ug/L
RT: 1.536 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

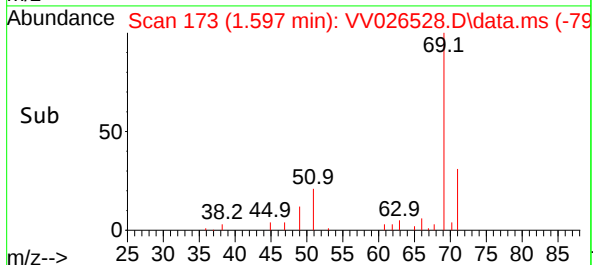
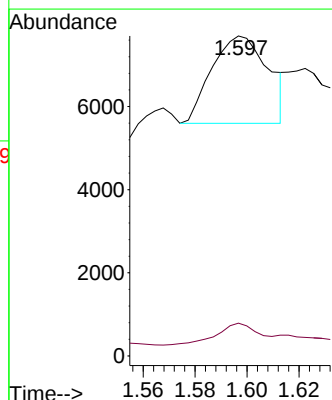
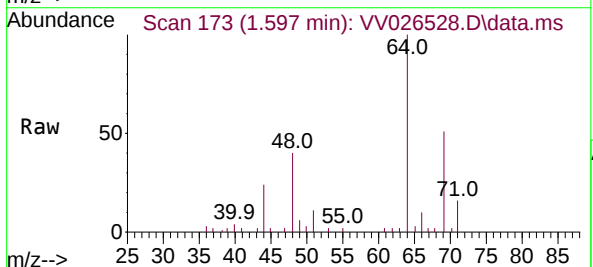
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

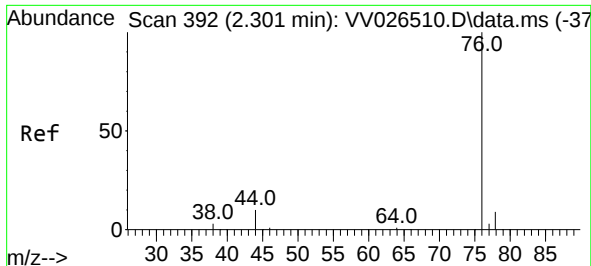
Tgt Ion: 94 Resp: 522
Ion Ratio Lower Upper
94 100
96 123.9 68.0 126.2



#8
Chloroethane
Concen: 0.299 ug/L
RT: 1.597 min Scan# 173
Delta R.T. 0.003 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 64 Resp: 3171
Ion Ratio Lower Upper
64 100
66 10.2 20.0 37.2#

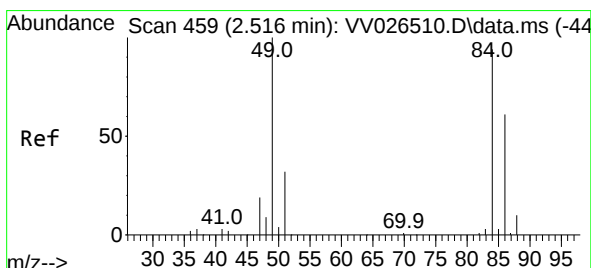
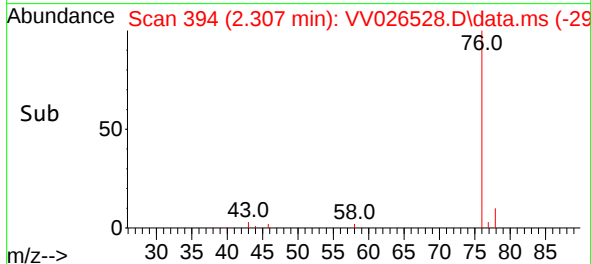
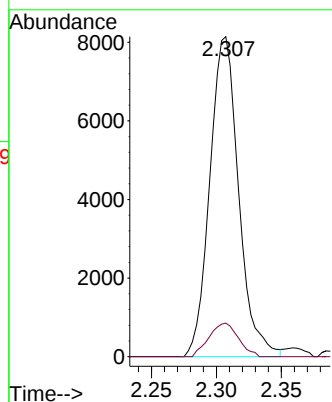
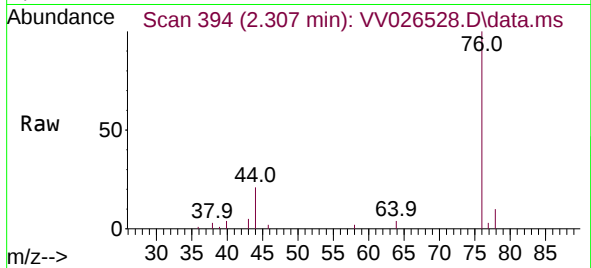




#14
Carbon disulfide
Concen: 0.401 ug/L
RT: 2.307 min Scan# 392
Delta R.T. 0.006 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

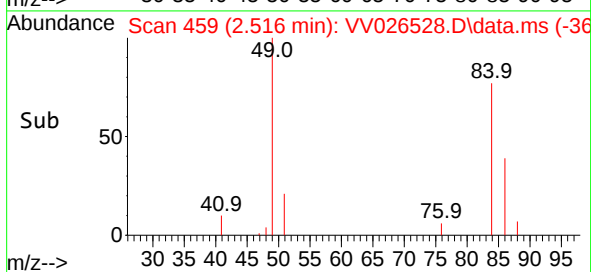
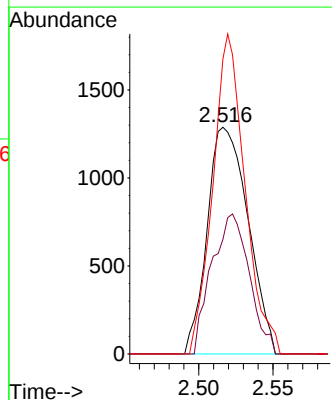
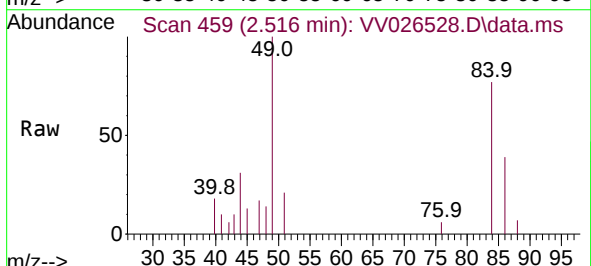
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

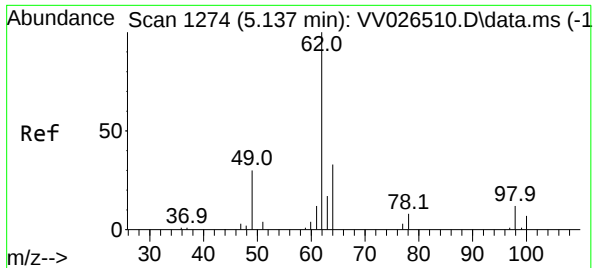
Tgt Ion: 76 Resp: 12567
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.6



#16
Methylene chloride
Concen: 0.195 ug/L
RT: 2.516 min Scan# 459
Delta R.T. -0.000 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 84 Resp: 2463
Ion Ratio Lower Upper
84 100
86 50.5 46.0 85.4
49 130.1 77.7 144.3

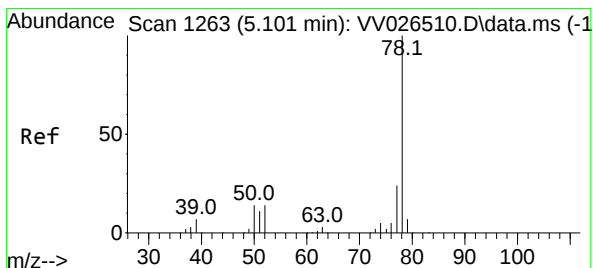
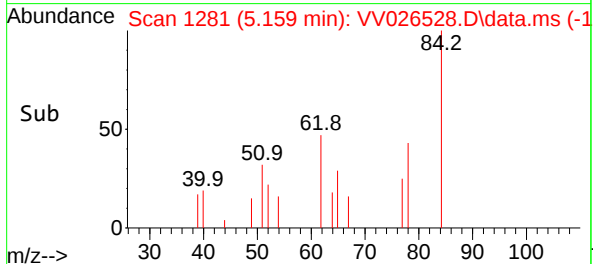
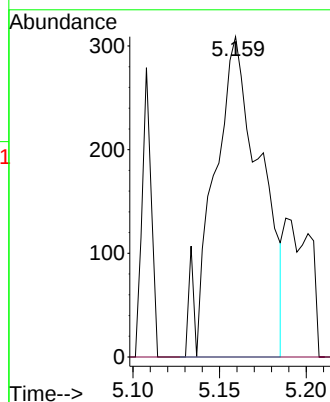
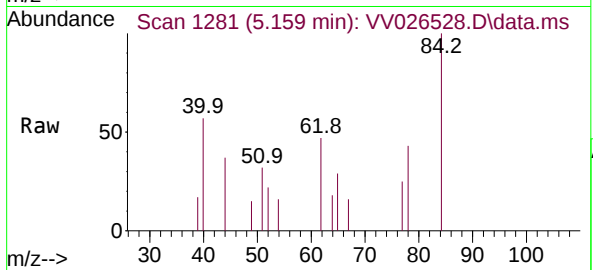




#27
1,2-Dichloroethane
Concen: 0.056 ug/L
RT: 5.159 min Scan# 1281
Delta R.T. 0.022 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

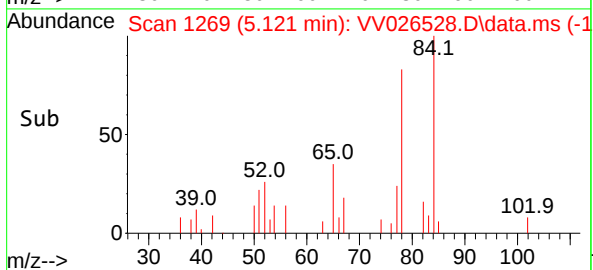
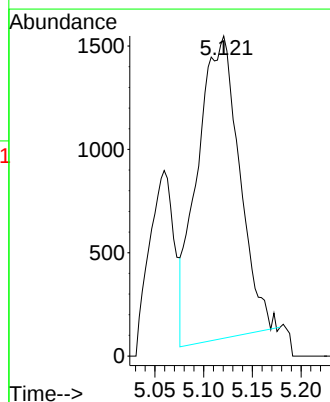
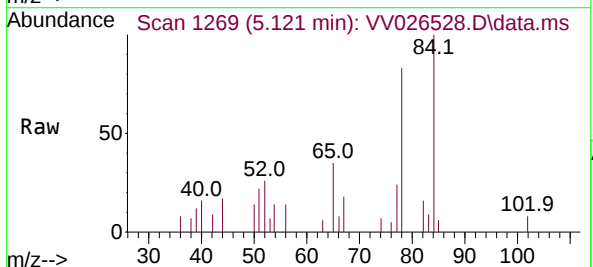
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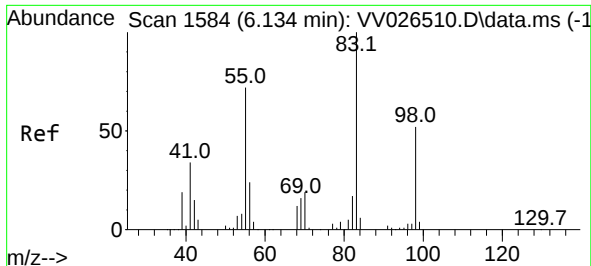
Tgt Ion: 62 Resp: 582
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#



#33
Benzene
Concen: 0.089 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.019 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 78 Resp: 4383

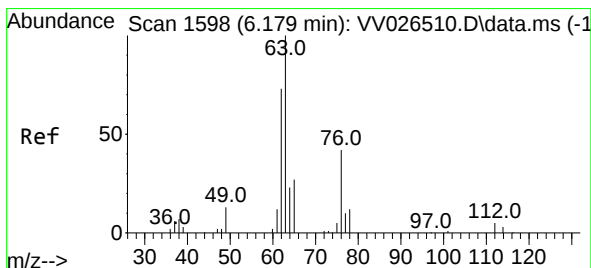
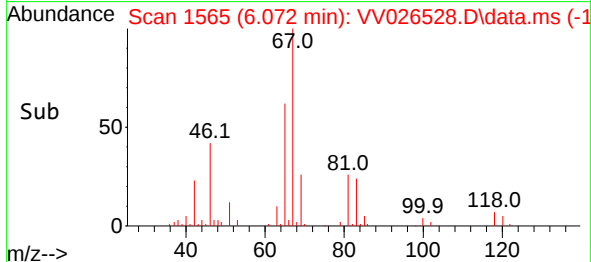
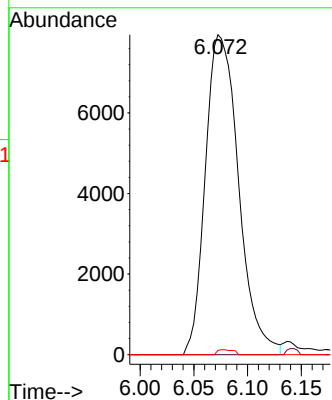
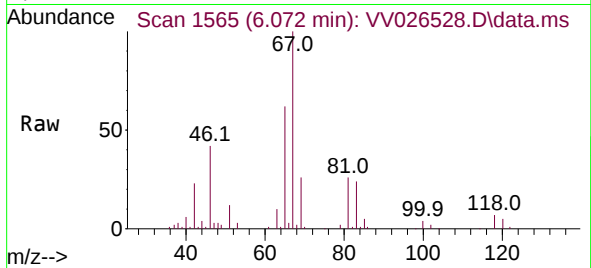




#35
Methylcyclohexane
Concen: 0.892 ug/L
RT: 6.072 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

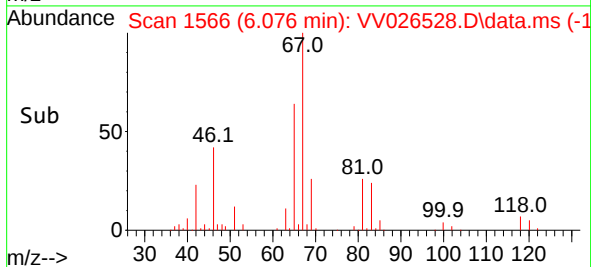
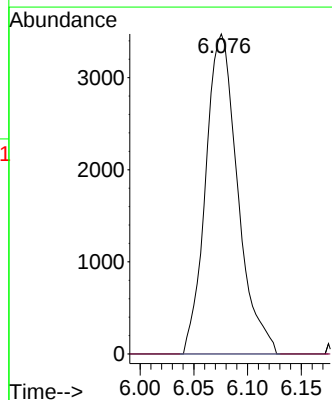
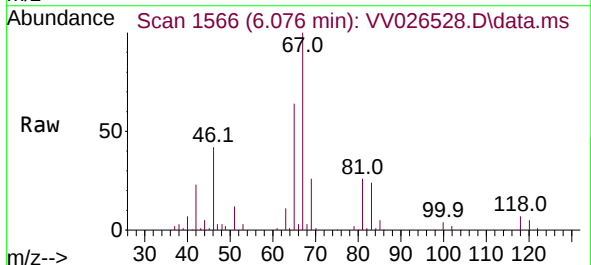
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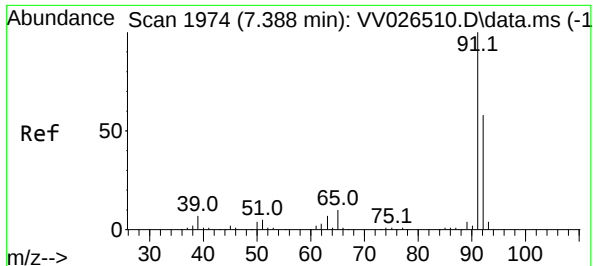
Tgt Ion: 83 Resp: 17069
Ion Ratio Lower Upper
83 100
55 0.6 57.0 85.4#
98 0.7 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.607 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.103 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 63 Resp: 7200
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#





#42

Toluene

Concen: 1.073 ug/L

RT: 7.394 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV026528.D

Acq: 23 Jun 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

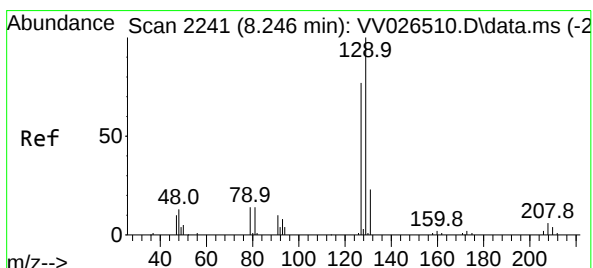
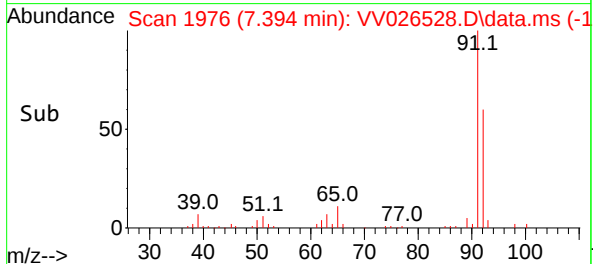
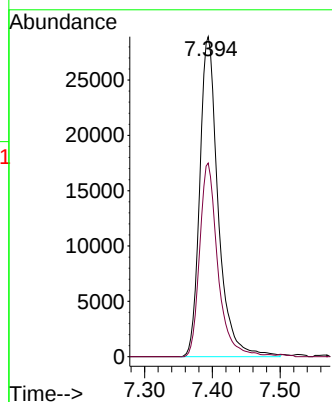
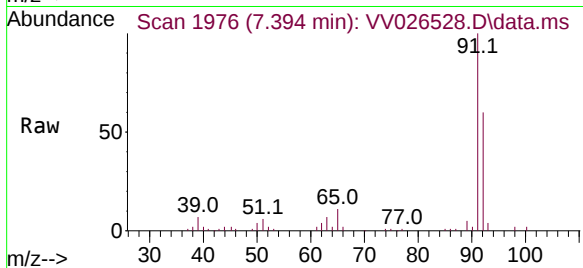
C0AE9

Tgt Ion: 91 Resp: 54529

Ion Ratio Lower Upper

91 100

92 60.5 40.3 74.9



#49

Dibromochloromethane

Concen: 0.065 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026528.D

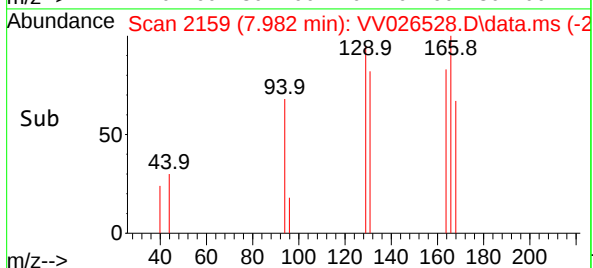
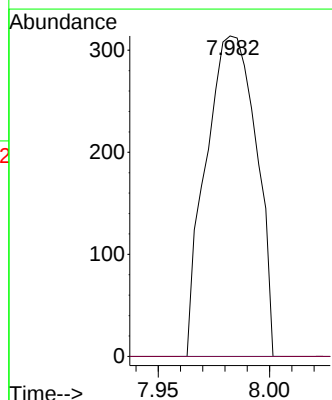
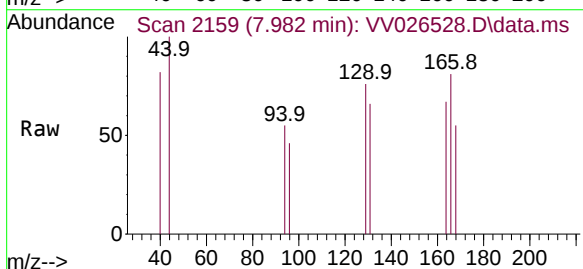
Acq: 23 Jun 2022 20:43

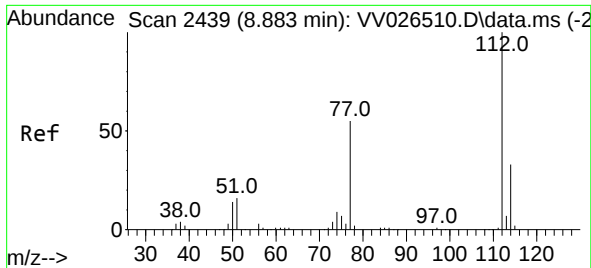
Tgt Ion: 129 Resp: 492

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#

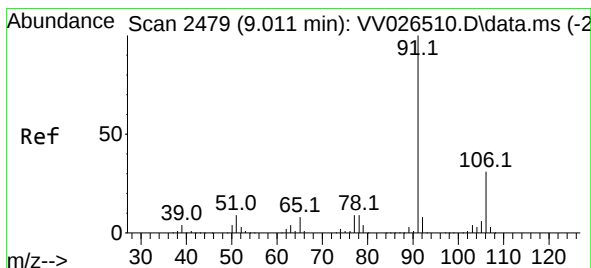
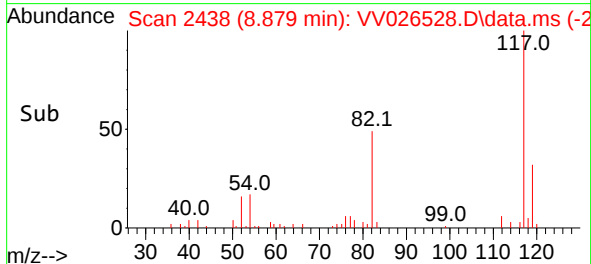
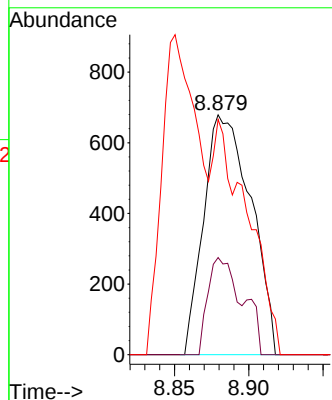
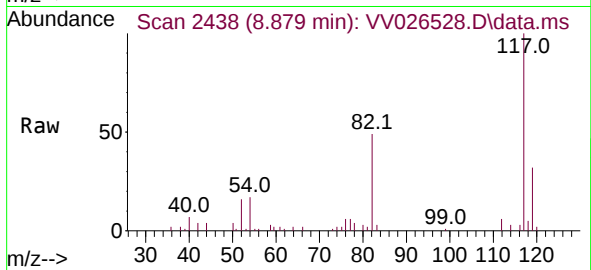




#51
Chlorobenzene
Concen: 0.045 ug/L
RT: 8.879 min Scan# 2439
Delta R.T. -0.003 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

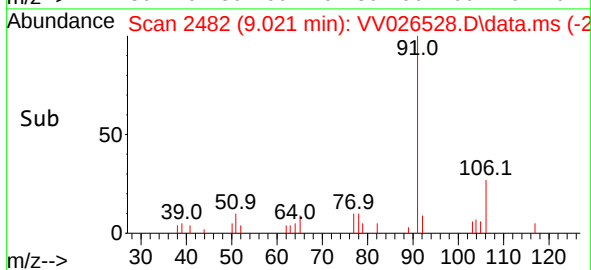
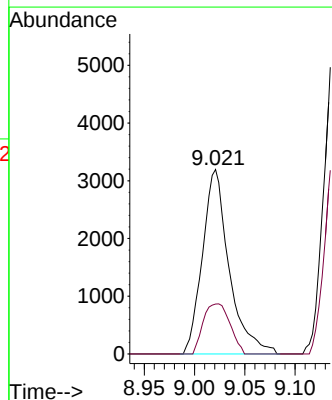
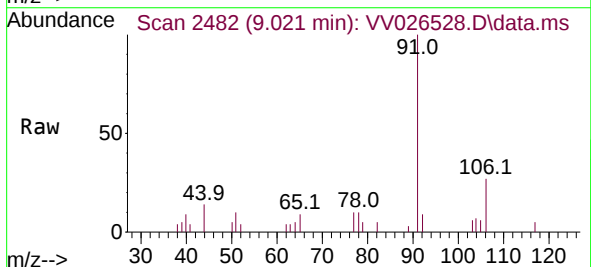
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

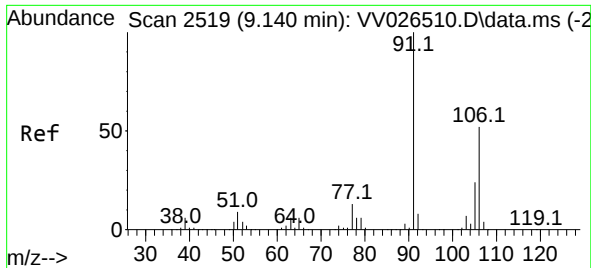
Tgt Ion:112 Resp: 1498
Ion Ratio Lower Upper
112 100
114 40.5 22.3 41.5
77 98.1 44.4 66.6#



#52
Ethylbenzene
Concen: 0.112 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 91 Resp: 5907
Ion Ratio Lower Upper
91 100
106 27.1 22.1 41.1

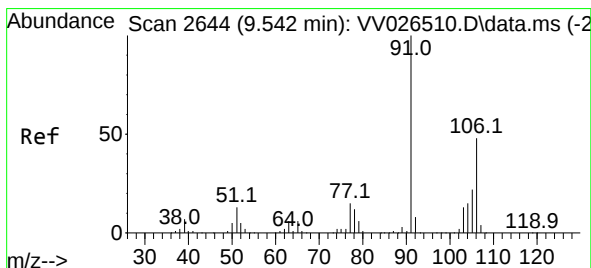
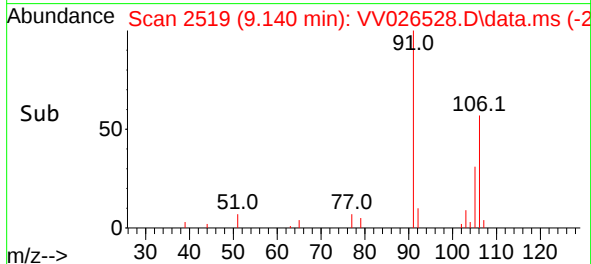
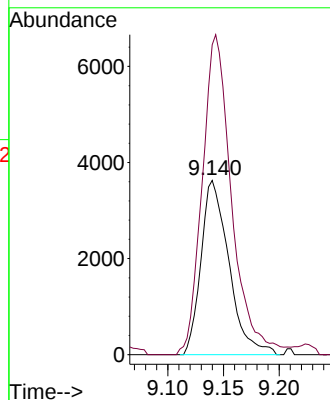
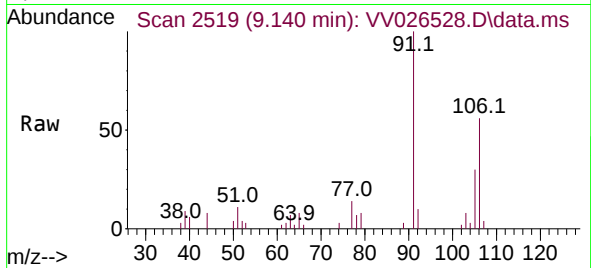




#53
m,p-Xylene
Concen: 0.308 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

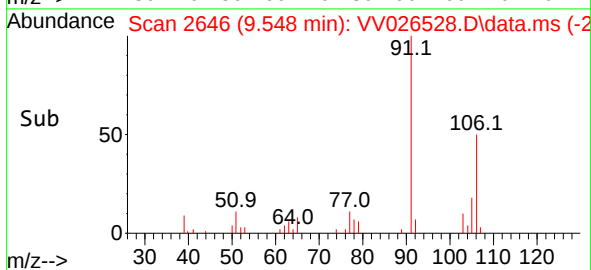
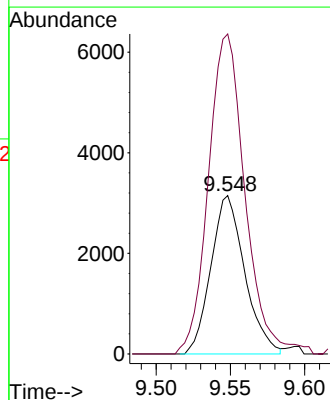
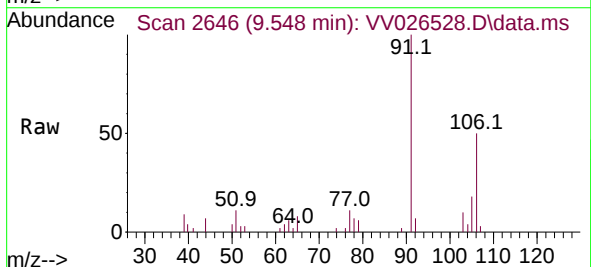
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

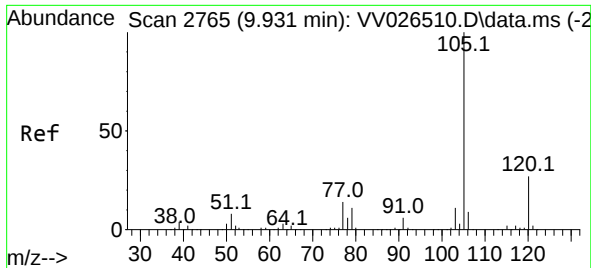
Tgt Ion:106 Resp: 6322
Ion Ratio Lower Upper
106 100
91 177.8 139.9 259.9



#54
o-Xylene
Concen: 0.260 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion:106 Resp: 4995
Ion Ratio Lower Upper
106 100
91 201.9 147.5 273.9

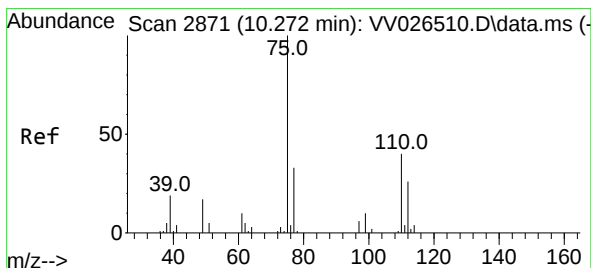
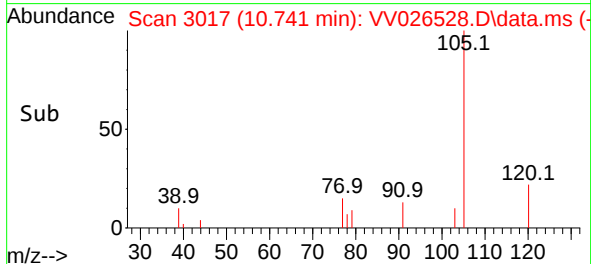
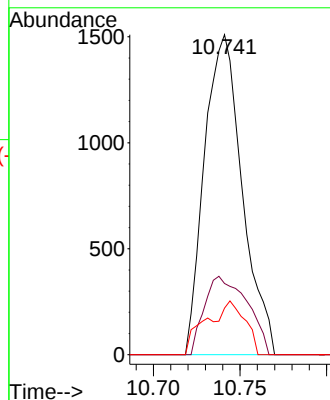
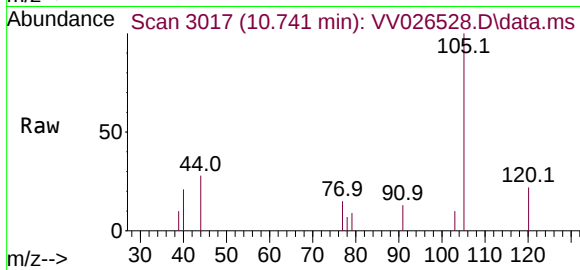




#60
Isopropylbenzene
Concen: 0.051 ug/L
RT: 10.741 min Scan# 3017
Delta R.T. 0.810 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

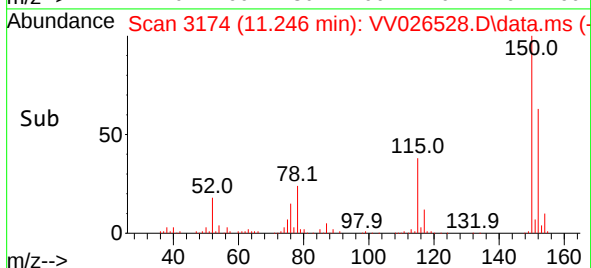
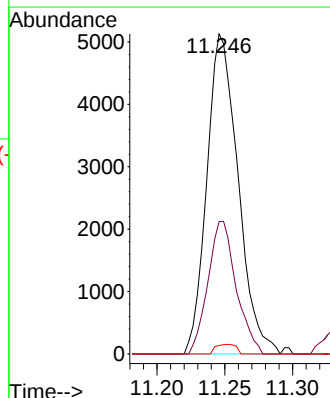
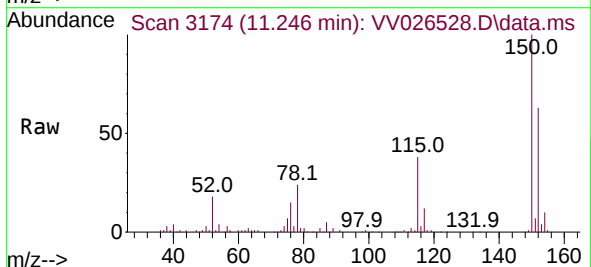
Instrument :
MSVOA_V
ClientSampleId :
C0AE9

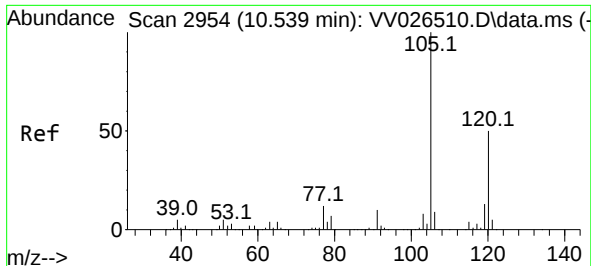
Tgt Ion:105 Resp: 2289
Ion Ratio Lower Upper
105 100
120 27.8 21.4 32.2
77 17.3 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 1.741 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026528.D
Acq: 23 Jun 2022 20:43

Tgt Ion: 75 Resp: 8203
Ion Ratio Lower Upper
75 100
77 37.4 25.8 38.6
110 1.9 32.5 48.7#





#62

1,3,5-Trimethylbenzene

Concen: 0.064 ug/L

RT: 10.545 min Scan# 2954

Delta R.T. 0.006 min

Lab File: VV026528.D

Acq: 23 Jun 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

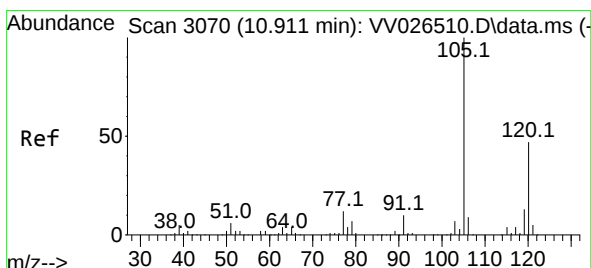
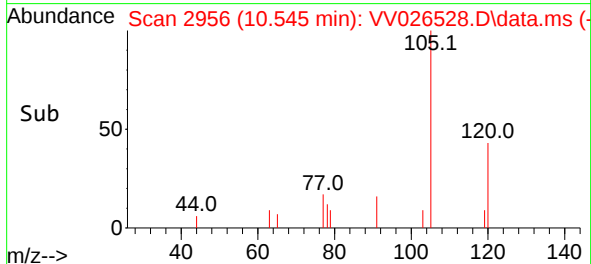
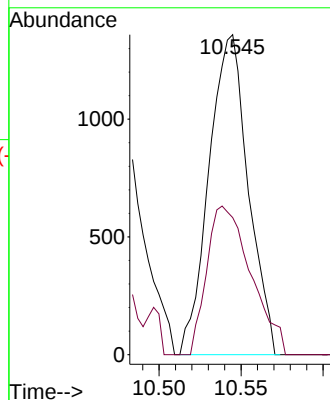
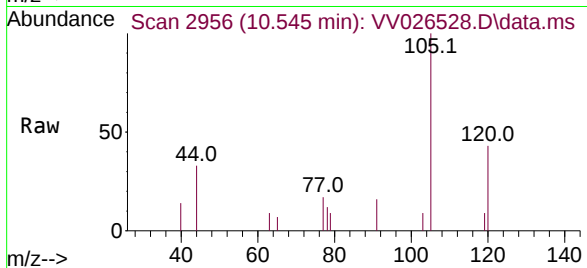
C0AE9

Tgt Ion:105 Resp: 2261

Ion Ratio Lower Upper

105 100

120 52.1 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.269 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.006 min

Lab File: VV026528.D

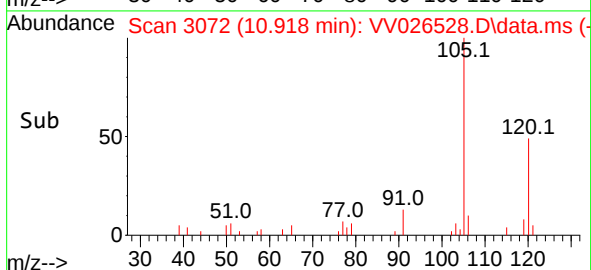
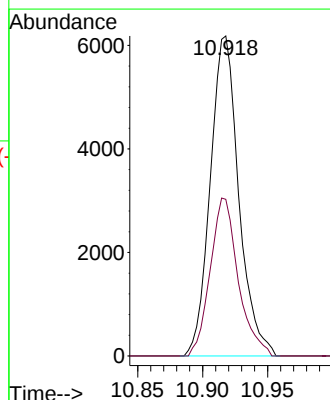
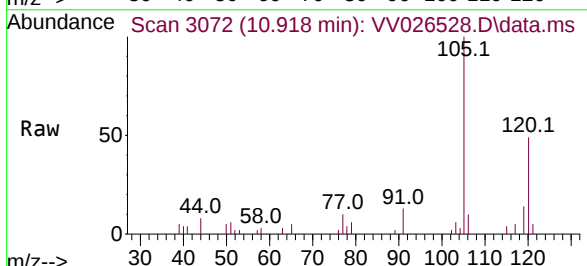
Acq: 23 Jun 2022 20:43

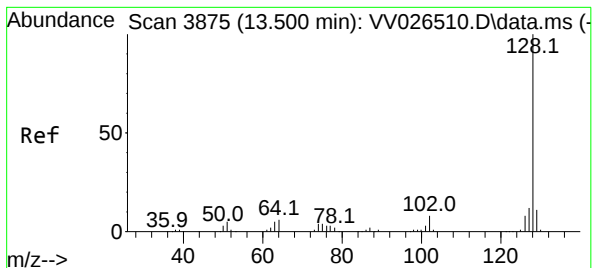
Tgt Ion:105 Resp: 9425

Ion Ratio Lower Upper

105 100

120 48.5 37.4 56.2





#71

Naphthalene

Concen: 0.241 ug/L

RT: 13.509 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV026528.D

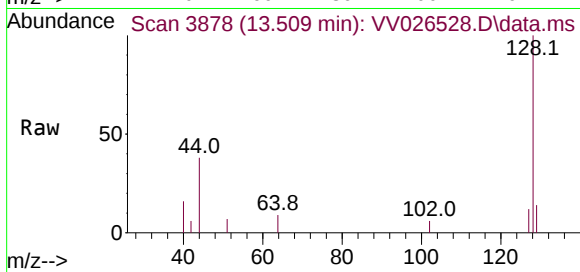
Acq: 23 Jun 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

C0AE9



Tgt Ion:128 Resp: 3483

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 10.8 10.2 15.4

