

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061822\
 Data File : VW026417.D
 Acq On : 18 Jun 2022 12:00
 Operator : SY/MD
 Sample : N3298-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA0

Quant Time: Jun 20 01:28:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	185458	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	177649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	84259	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	73125	4.540	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.584	69	61523	4.857	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.124	63	105782	3.824	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	3.934	46	64497	41.034	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.060%
24) Chloroform-d	4.365	84	128329	5.435	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.800%
26) 1,2-Dichloroethane-d4	5.047	65	49762	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.063	84	248820	5.239	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	6.079	67	74749	5.393	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.320	98	206142	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.632	79	14942	3.324	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.095	63	57625	42.441	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44780	5.244	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	77926	6.004	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1166	0.076	ug/L	91
5) Vinyl chloride	1.327	62	881	0.055	ug/L #	1
6) Bromomethane	1.539	94	681	0.076	ug/L	100
8) Chloroethane	1.564	64	31843	3.204	ug/L #	48
14) Carbon disulfide	2.310	76	2401	0.083	ug/L #	92
22) cis-1,2-Dichloroethene	3.934	96	705	0.061	ug/L	99
33) Benzene	5.114	78	46683	1.025	ug/L	100
35) Methylcyclohexane	6.079	83	17976	1.045	ug/L #	19
37) 1,2-Dichloropropane	6.079	63	7902	0.663	ug/L #	88
39) cis-1,3-Dichloropropene	6.995	75	1140	0.084	ug/L	83
42) Toluene	7.400	91	10860	0.227	ug/L	98
45) 1,1,2-Trichloroethane	7.719	97	551	0.070	ug/L #	17
52) Ethylbenzene	9.014	91	198880	4.141	ug/L	99
53) m,p-Xylene	9.143	106	17542	0.937	ug/L	97
54) o-Xylene	9.548	106	7966	0.439	ug/L	98
60) Isopropylbenzene	9.931	105	170369	3.793	ug/L	100
61) 1,2,3-Trichloropropane	10.358	75	326	0.060	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.336	105	18875	0.530	ug/L	88
63) 1,2,4-Trimethylbenzene	11.336	105	18875	0.535	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061822\
Data File : VV026417.D
Acq On : 18 Jun 2022 12:00
Operator : SY/MD
Sample : N3298-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AA0

Quant Time: Jun 20 01:28:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jun 20 01:25:22 2022
Response via : Initial Calibration

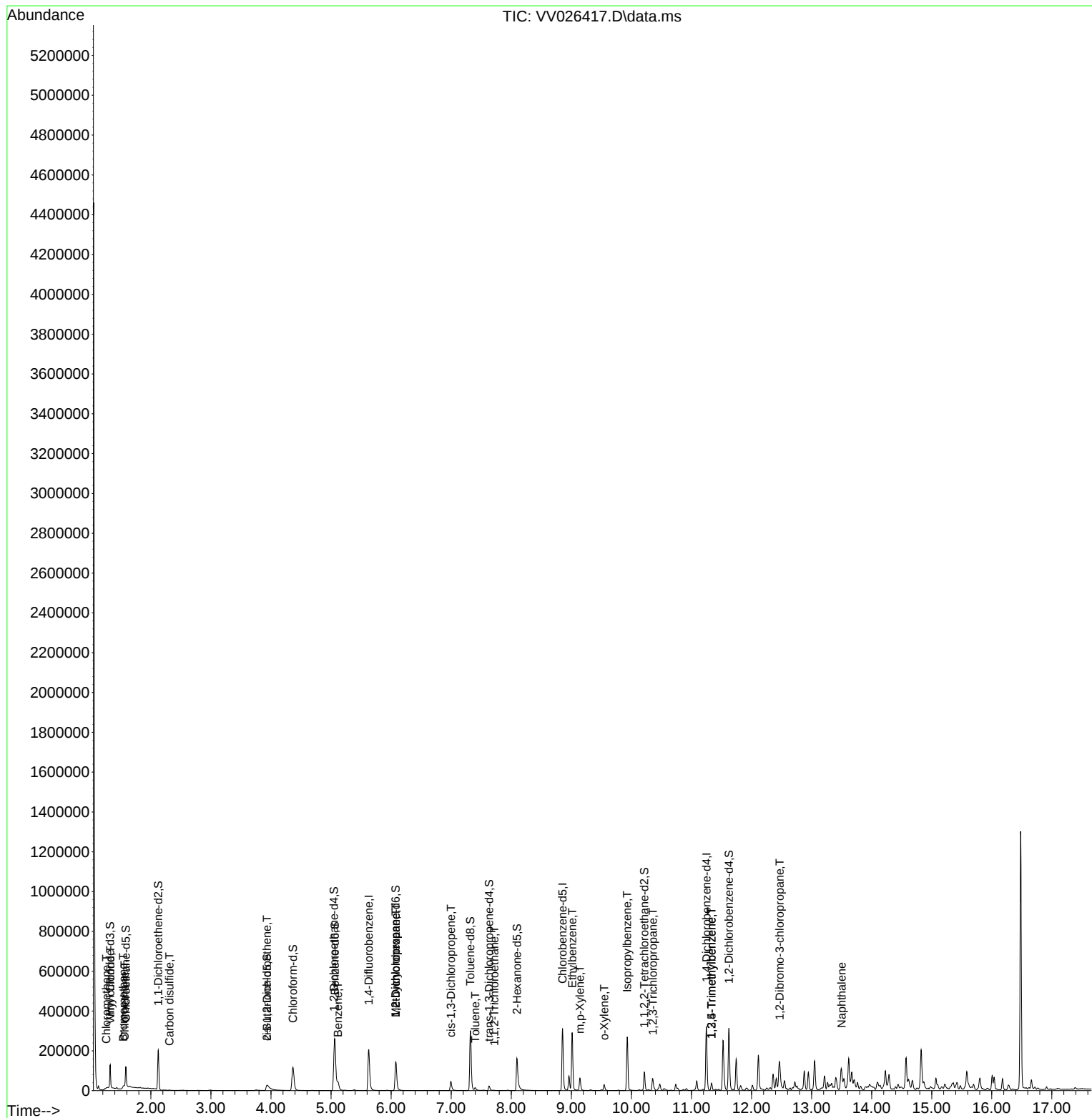
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.471	75	2418	2.497	ug/L #	14
71) Naphthalene	13.503	128	38142	2.334	ug/L #	96

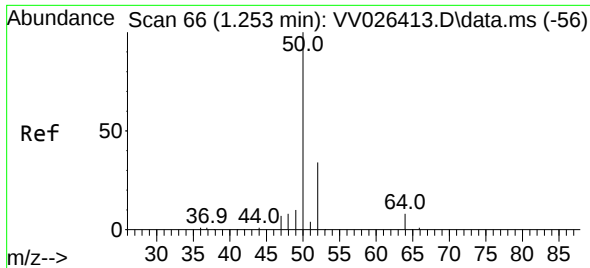
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061822\
Data File : VV026417.D
Acq On : 18 Jun 2022 12:00
Operator : SY/MD
Sample : N3298-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AA0

Quant Time: Jun 20 01:28:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jun 20 01:25:22 2022
Response via : Initial Calibration

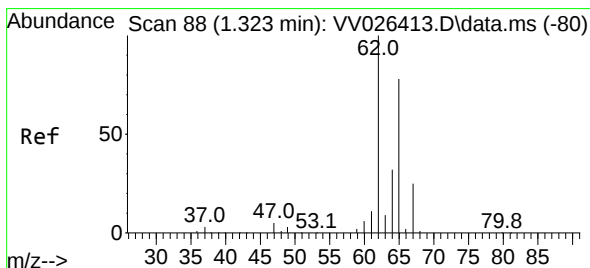
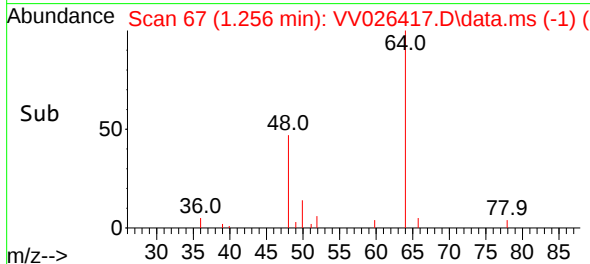
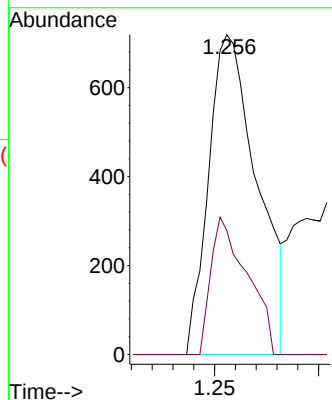
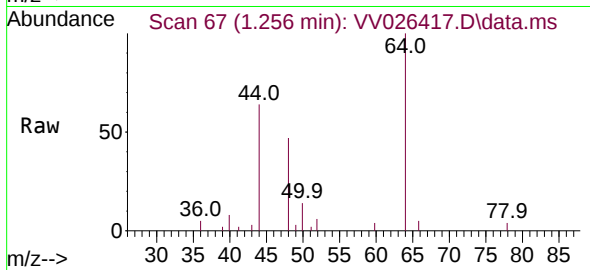




#3
Chloromethane
Concen: 0.076 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

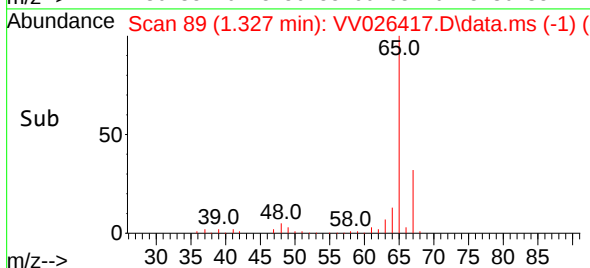
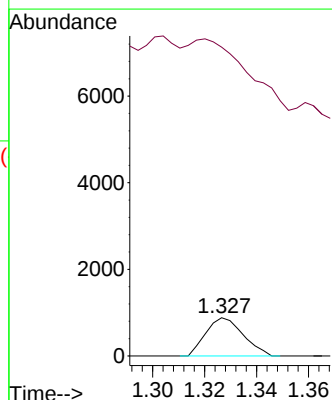
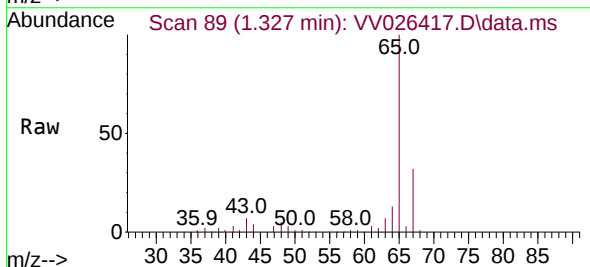
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

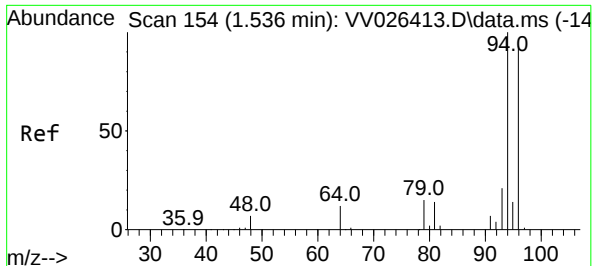
Tgt Ion: 50 Resp: 1166
Ion Ratio Lower Upper
50 100
52 38.8 23.7 44.1



#5
Vinyl chloride
Concen: 0.055 ug/L
RT: 1.327 min Scan# 89
Delta R.T. 0.003 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 62 Resp: 881
Ion Ratio Lower Upper
62 100
64 806.6 23.2 43.2#

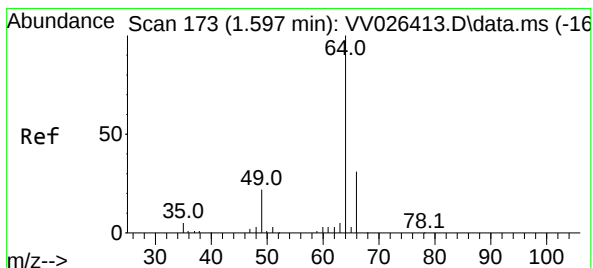
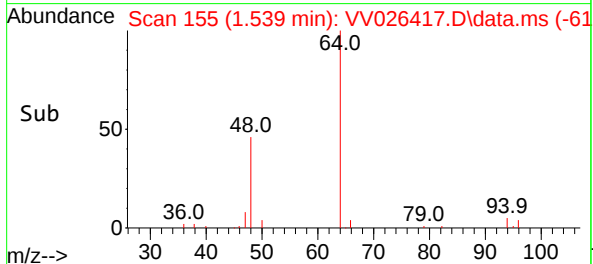
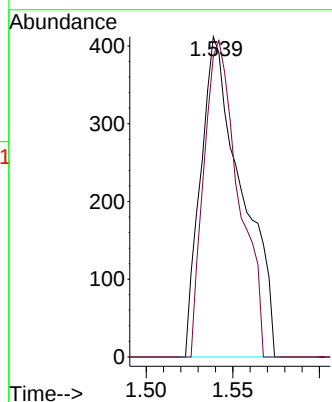
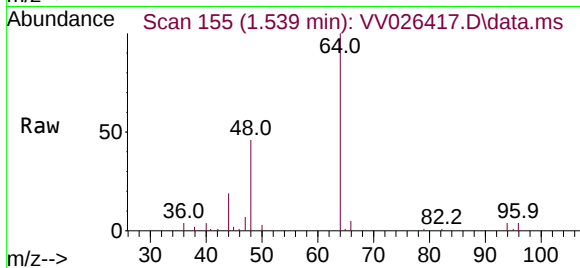




#6
Bromomethane
Concen: 0.076 ug/L
RT: 1.539 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

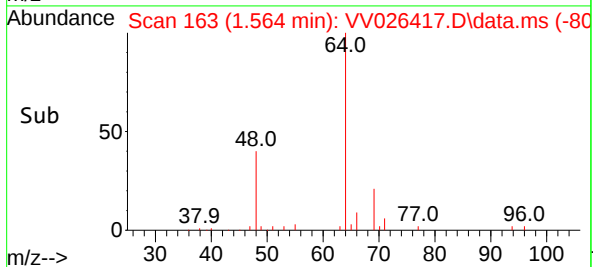
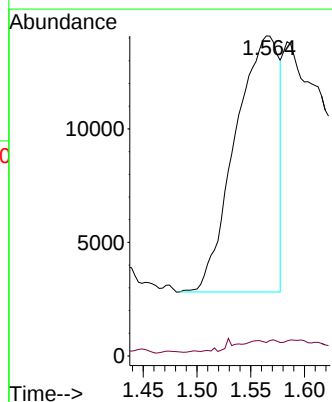
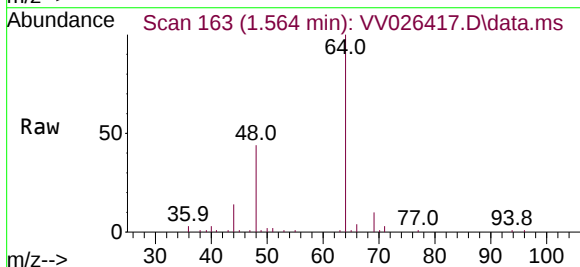
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

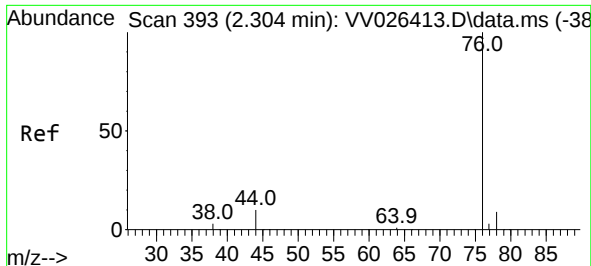
Tgt Ion: 94 Resp: 681
Ion Ratio Lower Upper
94 100
96 93.9 65.7 121.9



#8
Chloroethane
Concen: 3.204 ug/L
RT: 1.564 min Scan# 163
Delta R.T. -0.032 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 64 Resp: 31843
Ion Ratio Lower Upper
64 100
66 4.2 24.1 44.7#

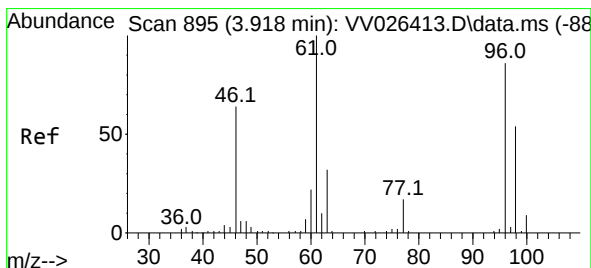
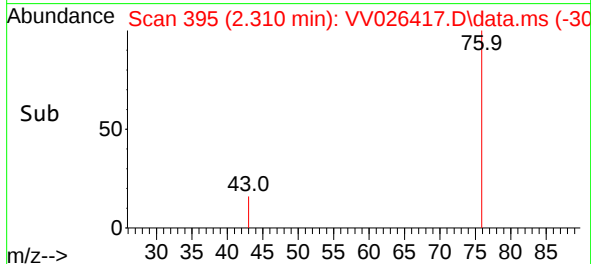
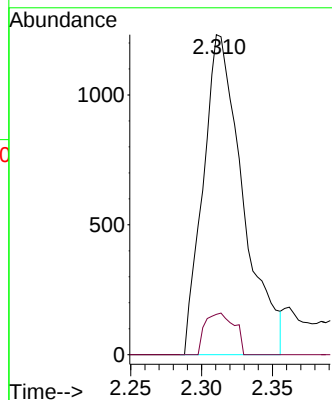
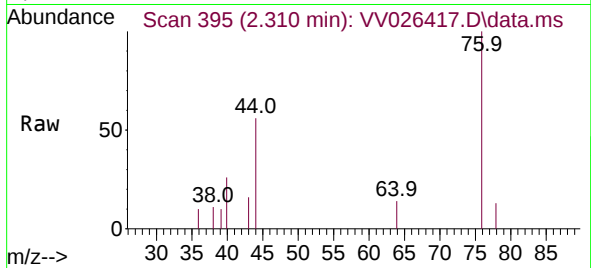




#14
Carbon disulfide
Concen: 0.083 ug/L
RT: 2.310 min Scan# 393
Delta R.T. 0.006 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

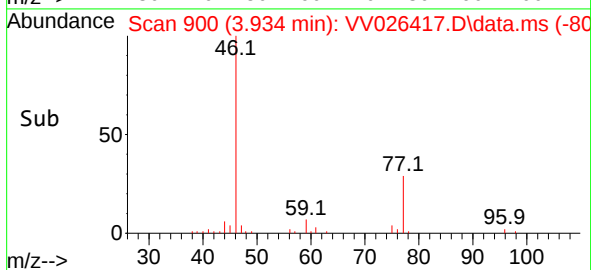
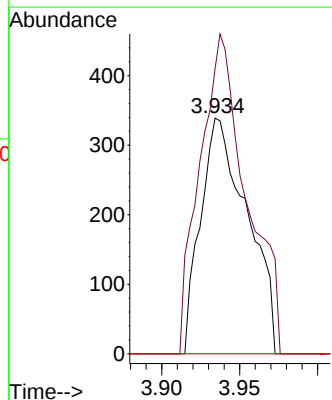
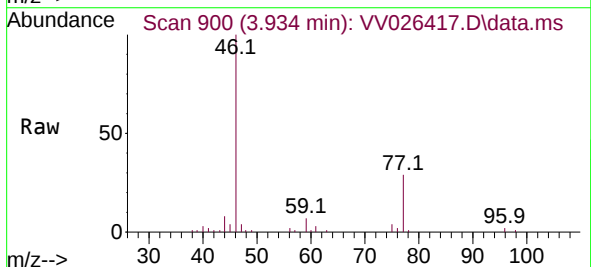
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

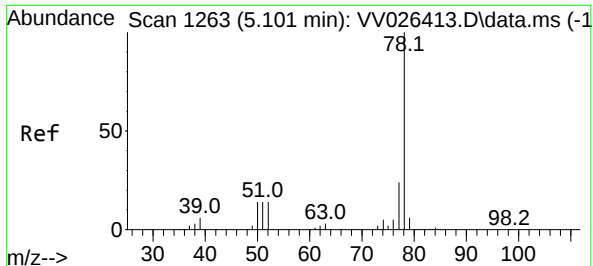
Tgt Ion: 76 Resp: 2401
Ion Ratio Lower Upper
76 100
78 12.6 7.7 11.5#



#22
cis-1,2-Dichloroethene
Concen: 0.061 ug/L
RT: 3.934 min Scan# 900
Delta R.T. 0.016 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 96 Resp: 705
Ion Ratio Lower Upper
96 100
61 120.9 83.6 155.2
68 0.0 0.0 0.0

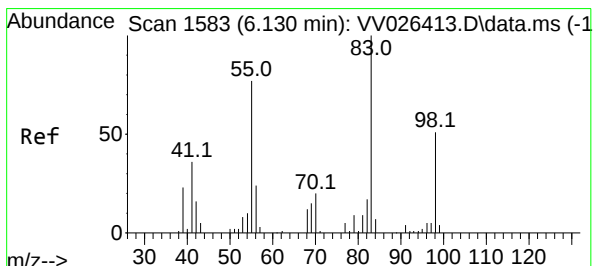
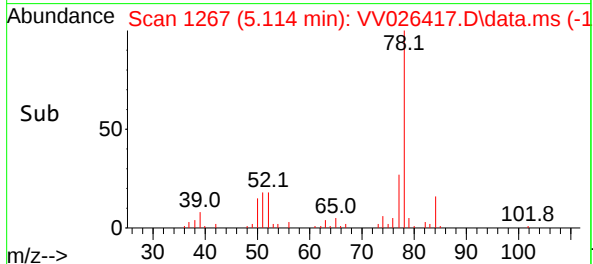
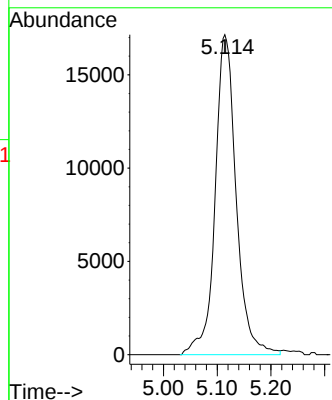
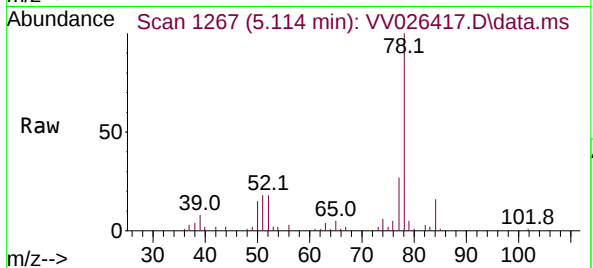




#33
Benzene
Concen: 1.025 ug/L
RT: 5.114 min Scan# 1567
Delta R.T. 0.013 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

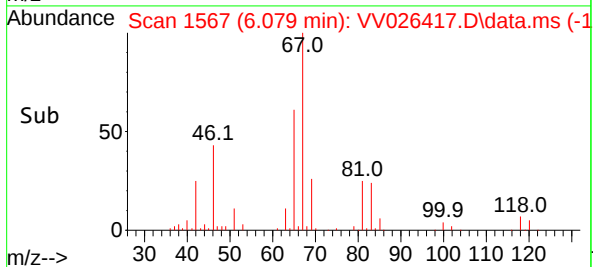
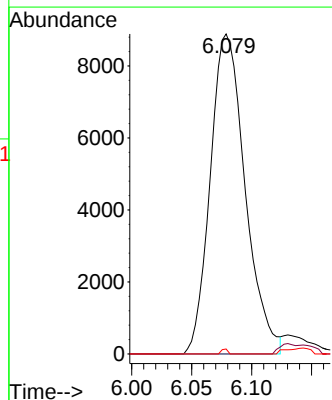
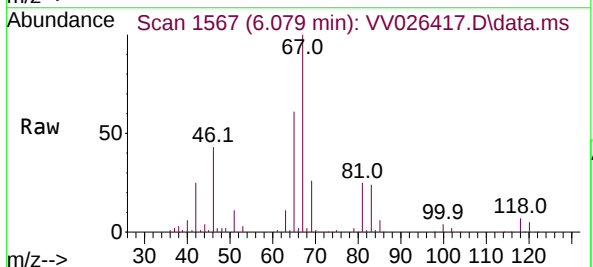
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

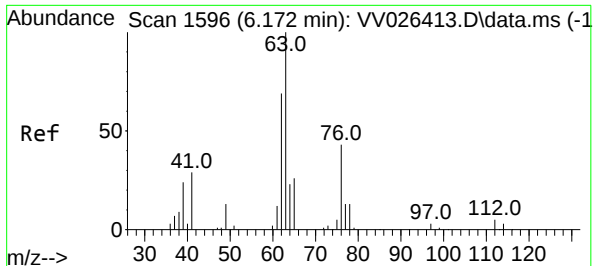
Tgt Ion: 78 Resp: 46683



#35
Methylcyclohexane
Concen: 1.045 ug/L
RT: 6.079 min Scan# 1567
Delta R.T. -0.052 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 83 Resp: 17976
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 0.3 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.093 min

Lab File: VV026417.D

Acq: 18 Jun 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

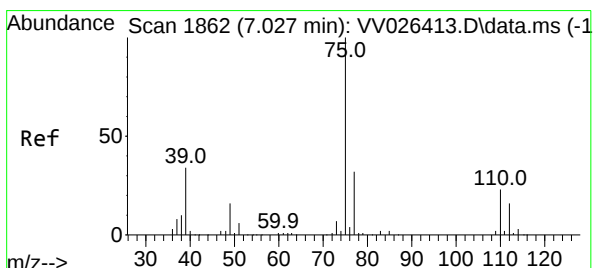
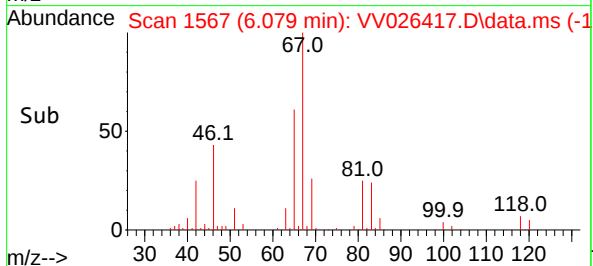
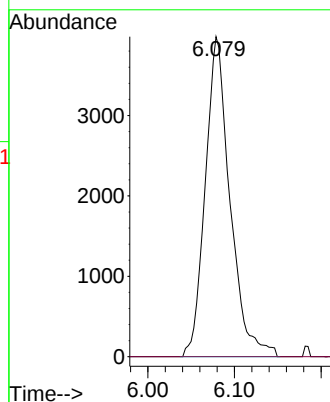
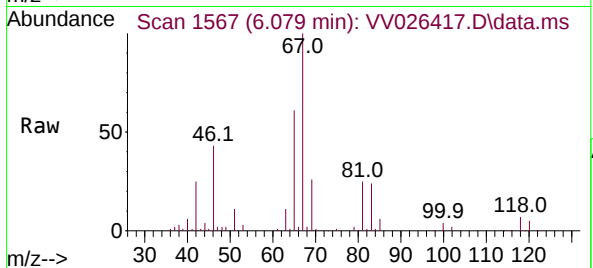
C0AA0

Tgt Ion: 63 Resp: 7902

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV026417.D

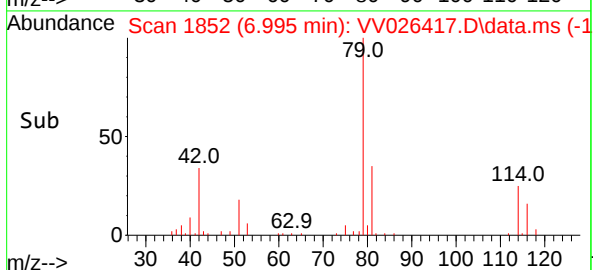
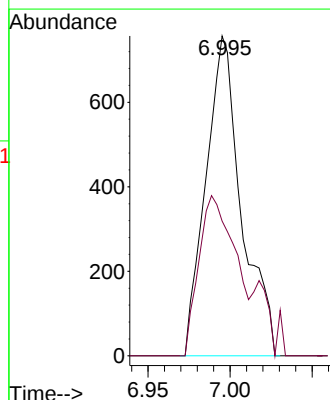
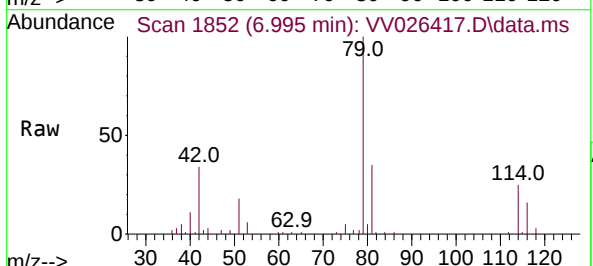
Acq: 18 Jun 2022 12:00

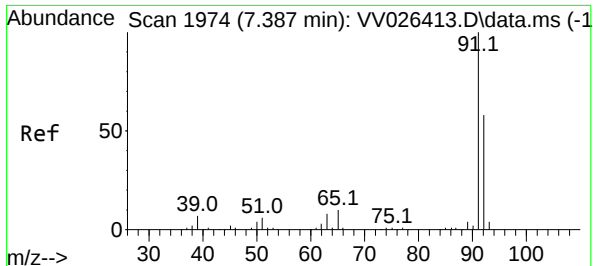
Tgt Ion: 75 Resp: 1140

Ion Ratio Lower Upper

75 100

77 42.1 23.0 42.6





#42

Toluene

Concen: 0.227 ug/L

RT: 7.400 min Scan# 1974

Delta R.T. 0.013 min

Lab File: VV026417.D

Acq: 18 Jun 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

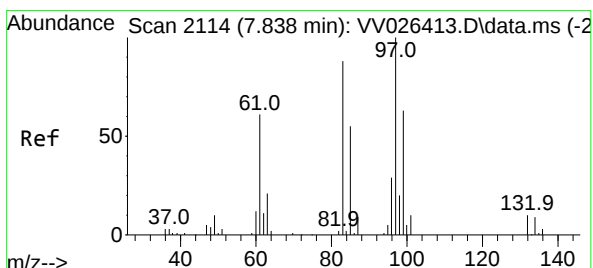
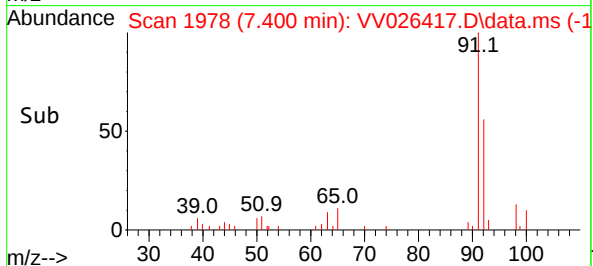
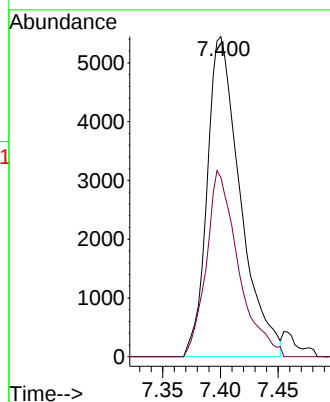
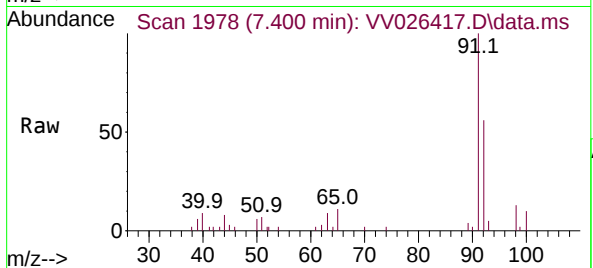
C0AA0

Tgt Ion: 91 Resp: 10860

Ion Ratio Lower Upper

91 100

92 56.1 40.1 74.5



#45

1,1,2-Trichloroethane

Concen: 0.070 ug/L

RT: 7.719 min Scan# 2077

Delta R.T. -0.119 min

Lab File: VV026417.D

Acq: 18 Jun 2022 12:00

Tgt Ion: 97 Resp: 551

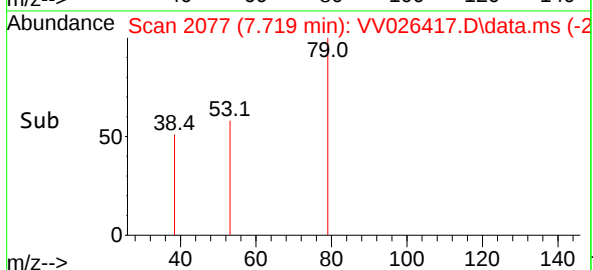
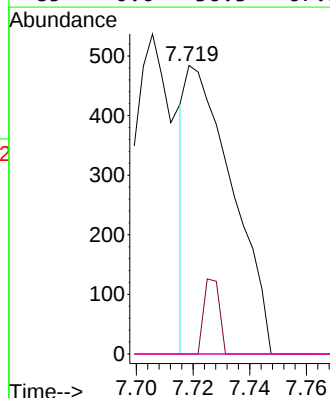
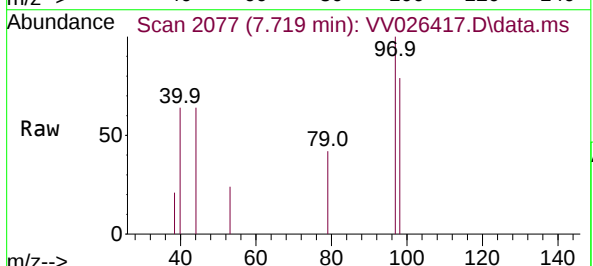
Ion Ratio Lower Upper

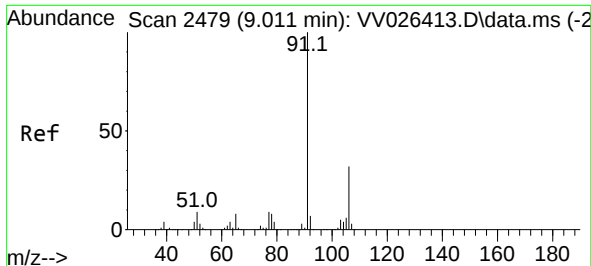
97 100

99 0.0 42.4 78.6#

83 0.0 56.1 104.1#

85 0.0 36.3 67.5#





#52

Ethylbenzene

Concen: 4.141 ug/L

RT: 9.014 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV026417.D

Acq: 18 Jun 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

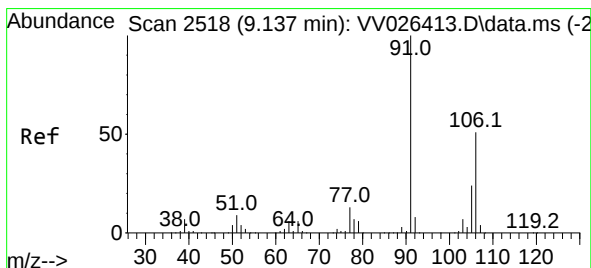
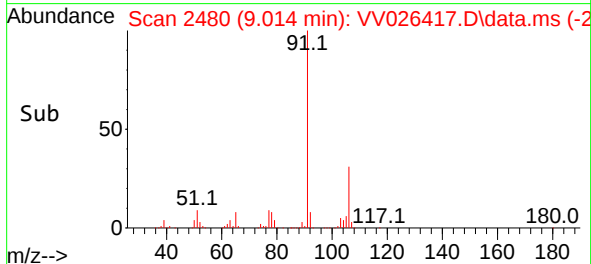
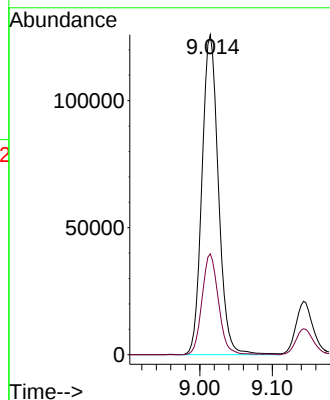
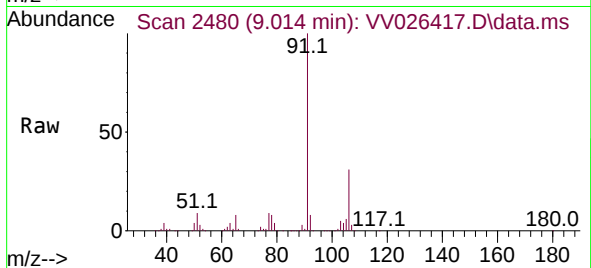
C0AA0

Tgt Ion: 91 Resp: 198880

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.0



#53

m,p-Xylene

Concen: 0.937 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV026417.D

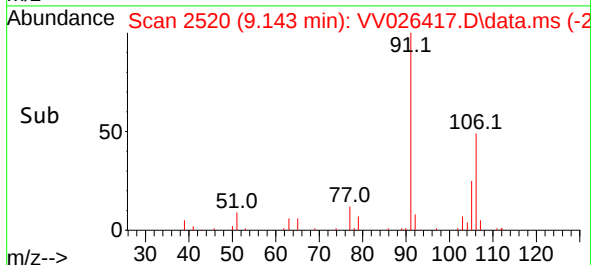
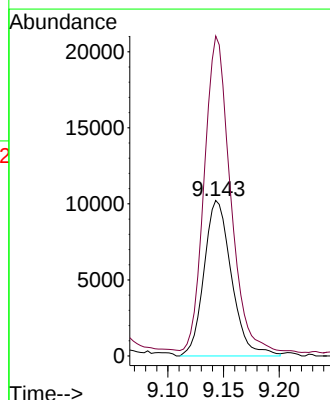
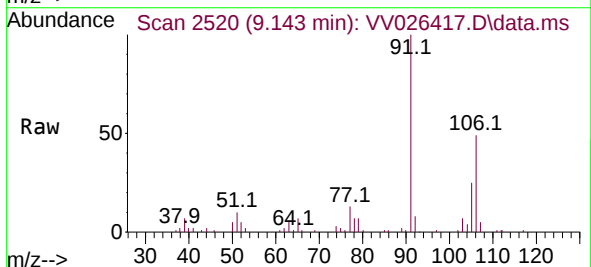
Acq: 18 Jun 2022 12:00

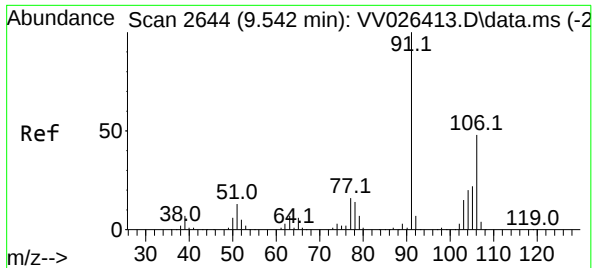
Tgt Ion: 106 Resp: 17542

Ion Ratio Lower Upper

106 100

91 205.8 141.3 262.3

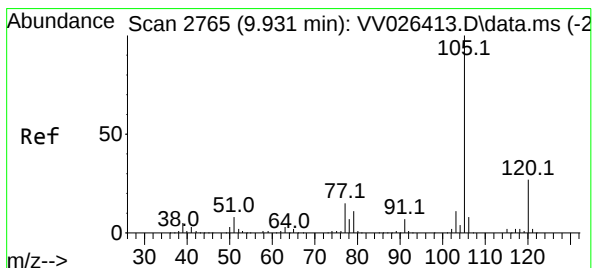
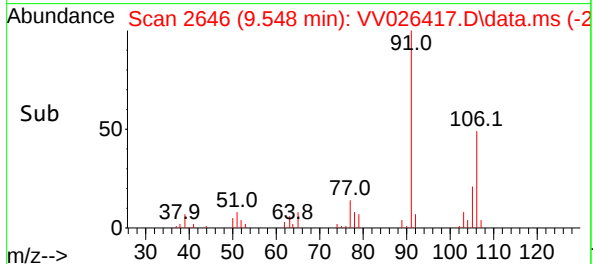
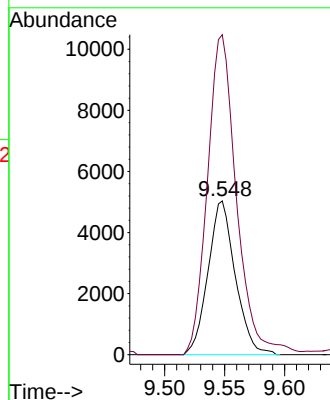
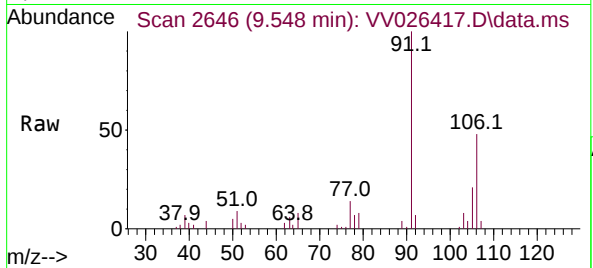




#54
o-Xylene
Concen: 0.439 ug/L
RT: 9.548 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

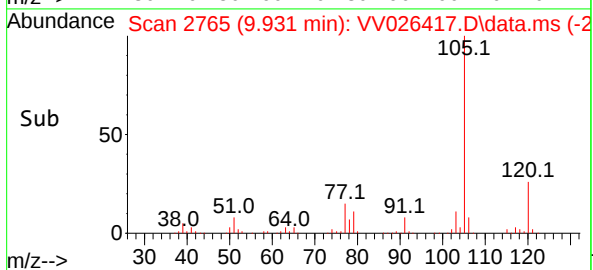
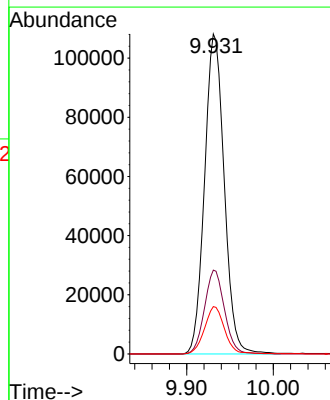
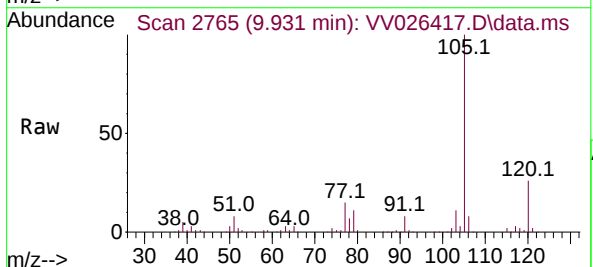
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

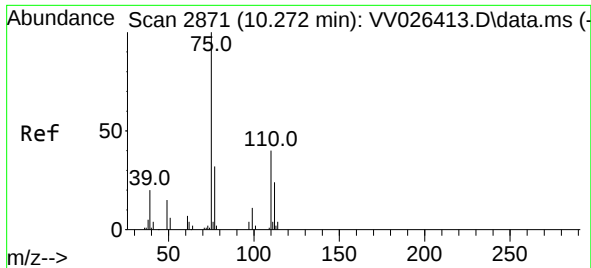
Tgt Ion:106 Resp: 7966
Ion Ratio Lower Upper
106 100
91 208.0 143.3 266.1



#60
Isopropylbenzene
Concen: 3.793 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion:105 Resp: 170369
Ion Ratio Lower Upper
105 100
120 26.6 21.5 32.3
77 15.2 12.2 18.4

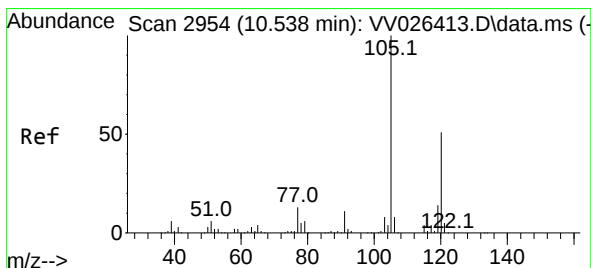
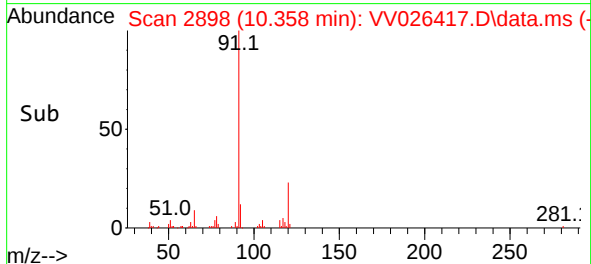
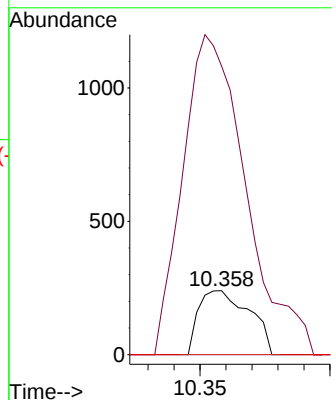
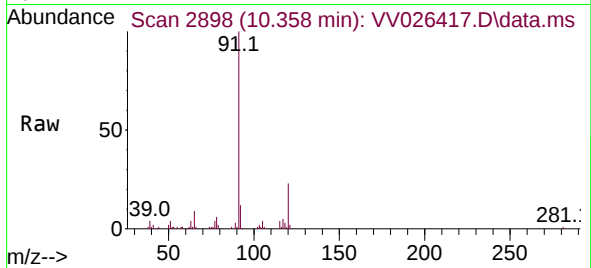




#61
1,2,3-Trichloropropane
Concen: 0.060 ug/L
RT: 10.358 min Scan# 21
Delta R.T. 0.087 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

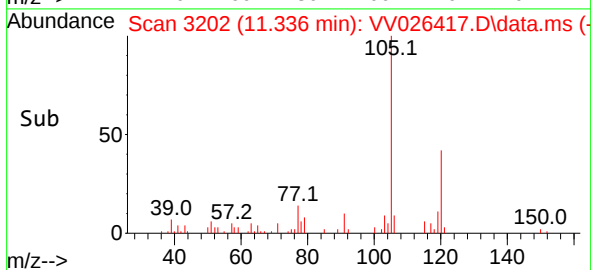
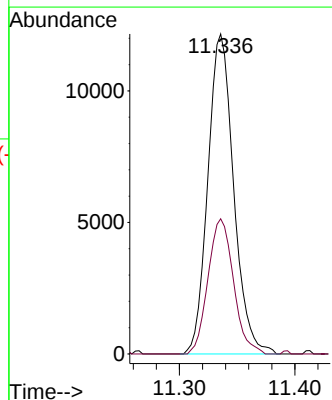
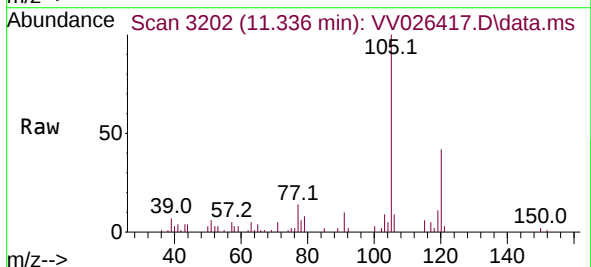
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

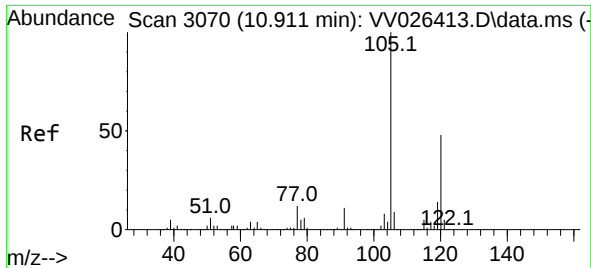
Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
77 621.5 26.9 40.3#
110 0.0 30.7 46.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.530 ug/L
RT: 11.336 min Scan# 3202
Delta R.T. 0.797 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 105 Resp: 18875
Ion Ratio Lower Upper
105 100
120 41.7 39.9 59.9

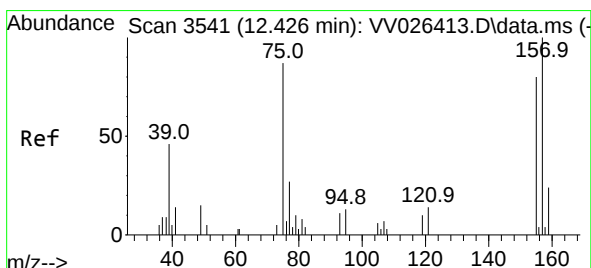
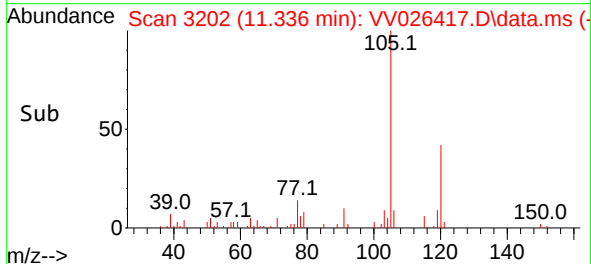
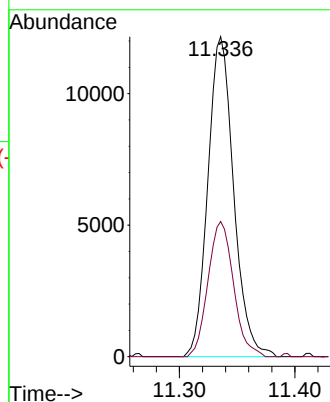
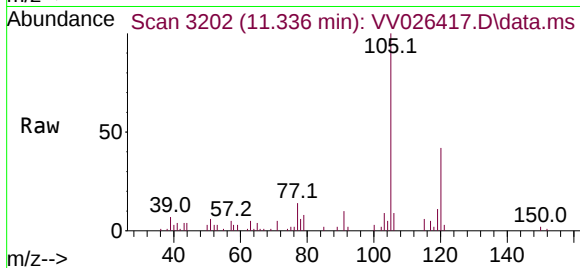




#63
1,2,4-Trimethylbenzene
Concen: 0.535 ug/L
RT: 11.336 min Scan# 31
Delta R.T. 0.424 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

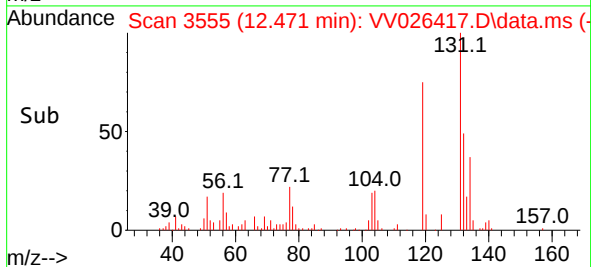
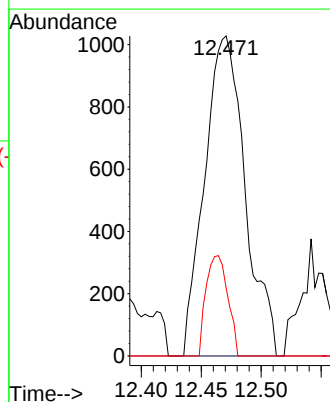
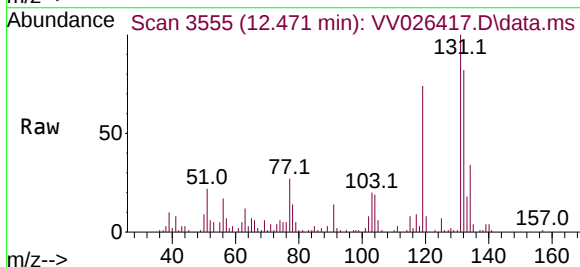
Instrument :
MSVOA_V
ClientSampleId :
C0AA0

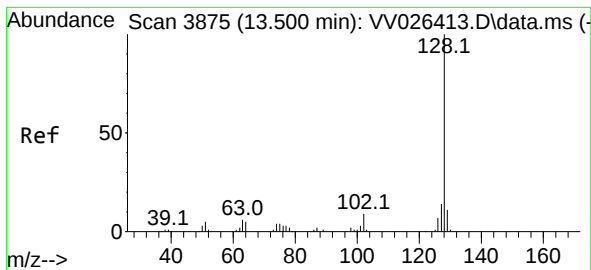
Tgt Ion:105 Resp: 18875
Ion Ratio Lower Upper
105 100
120 41.7 36.9 55.3



#68
1,2-Dibromo-3-chloropropane
Concen: 2.497 ug/L
RT: 12.471 min Scan# 3555
Delta R.T. 0.045 min
Lab File: VV026417.D
Acq: 18 Jun 2022 12:00

Tgt Ion: 75 Resp: 2418
Ion Ratio Lower Upper
75 100
155 0.0 63.7 95.5#
157 21.3 85.0 127.6#





#71

Naphthalene

Concen: 2.334 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

Lab File: VV026417.D

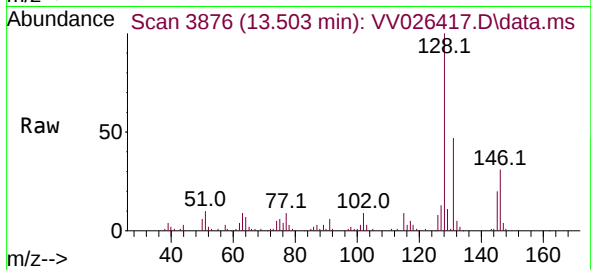
Acq: 18 Jun 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

C0AA0



Tgt Ion:	128	Resp:	38142
Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.7	13.1#
127	12.9	10.6	16.0

