

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071522\
 Data File : VW026799.D
 Acq On : 15 Jul 2022 18:37
 Operator : SY/MD
 Sample : N3710-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0B09

Quant Time: Jul 16 00:57:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 16 00:49:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	247534	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	231243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	119139	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	53902	2.387	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.800%
7) Chloroethane-d5	1.561	69	60230	3.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.800%#
11) 1,1-Dichloroethene-d2	2.101	63	79309	1.829	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	36.600%#
20) 2-Butanone-d5	3.902	46	211626	60.045	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.080%
24) Chloroform-d	4.342	84	132020	3.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.800%#
26) 1,2-Dichloroethane-d4	5.031	65	75252	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.047	84	255072	3.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.600%
36) 1,2-Dichloropropane-d6	6.069	67	92565	4.394	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.313	98	171203	2.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	54.800%#
43) trans-1,3-Dichloroprop...	7.625	79	23641	3.430	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.600%
46) 2-Hexanone-d5	8.088	63	164330	55.064	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.120%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	81765	4.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	89646	4.319	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1485	0.049	ug/L	96
6) Bromomethane	1.516	94	1119	0.061	ug/L	75
13) Acetone	1.947	43	52548	17.720	ug/L	88
14) Carbon disulfide	2.288	76	18015	0.282	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	7138	0.191	ug/L #	84
22) cis-1,2-Dichloroethene	3.915	96	3317	0.165	ug/L #	1
25) Chloroform	4.371	83	22414	0.587	ug/L	99
33) Benzene	5.098	78	158452	2.050	ug/L	100
35) Methylcyclohexane	6.069	83	23817	0.821	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	9090	0.492	ug/L #	86
42) Toluene	7.394	91	20842	0.267	ug/L	95
48) 2-Hexanone	8.082	43	61419	9.938	ug/L #	52
51) Chlorobenzene	8.879	112	322202	6.527	ug/L	99
52) Ethylbenzene	9.018	91	11187	0.145	ug/L	96
53) m,p-Xylene	9.140	106	4810	0.160	ug/L	86
54) o-Xylene	9.548	106	4348	0.152	ug/L	100
55) Styrene	9.567	104	2776	0.055	ug/L	89
60) Isopropylbenzene	9.931	105	34427	0.463	ug/L	99
61) 1,2,3-Trichloropropane	11.246	75	25054	2.280	ug/L #	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071522\
Data File : VV026799.D
Acq On : 15 Jul 2022 18:37
Operator : SY/MD
Sample : N3710-17
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0B09

Quant Time: Jul 16 00:57:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 16 00:49:45 2022
Response via : Initial Calibration

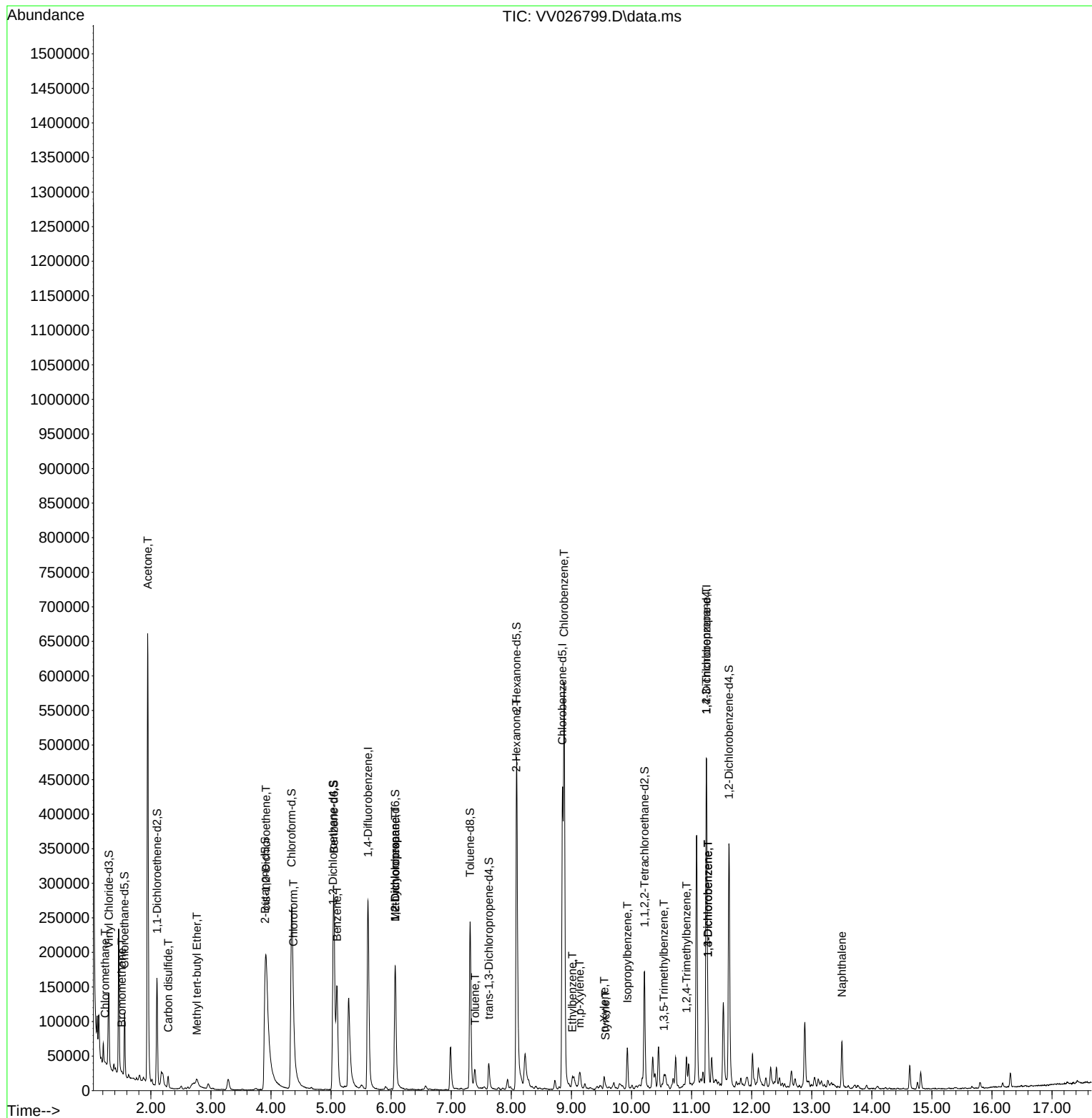
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.538	105	6474	0.110	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	22716	0.378	ug/L	99
64) 1,3-Dichlorobenzene	11.271	146	33467	0.919	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	33467	0.904	ug/L	98
71) Naphthalene	13.503	128	53592	1.653	ug/L	99

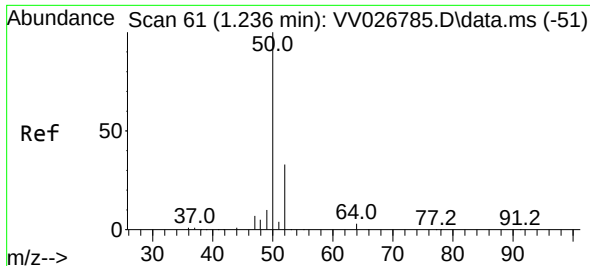
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071522\
Data File : VV026799.D
Acq On : 15 Jul 2022 18:37
Operator : SY/MD
Sample : N3710-17
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0B09

Quant Time: Jul 16 00:57:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 16 00:49:45 2022
Response via : Initial Calibration

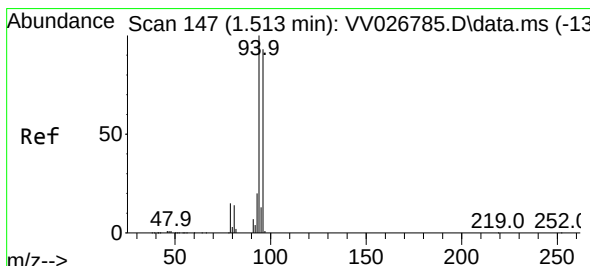
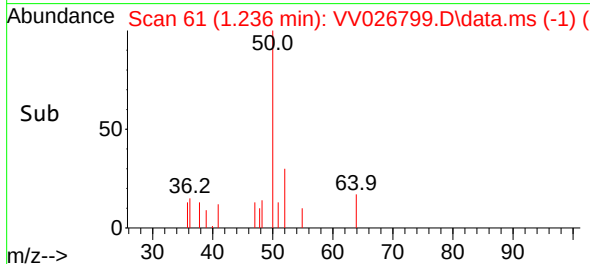
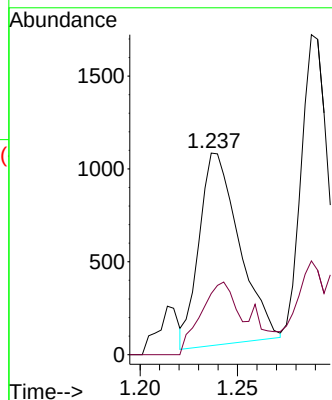
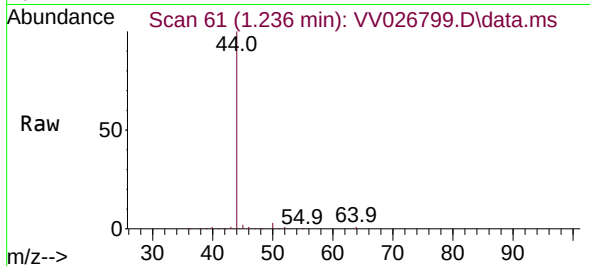




#3
Chloromethane
Concen: 0.049 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

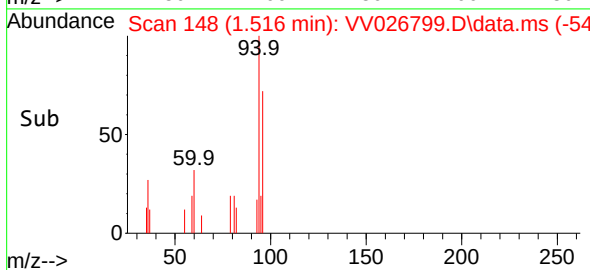
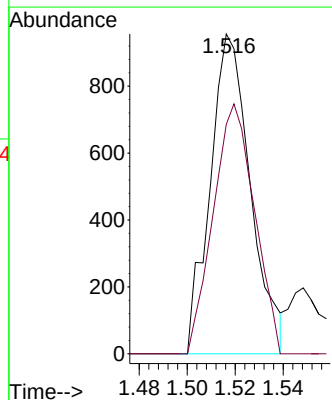
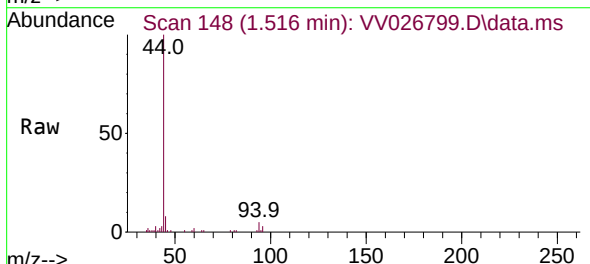
Instrument :
MSVOA_V
ClientSampleId :
H0B09

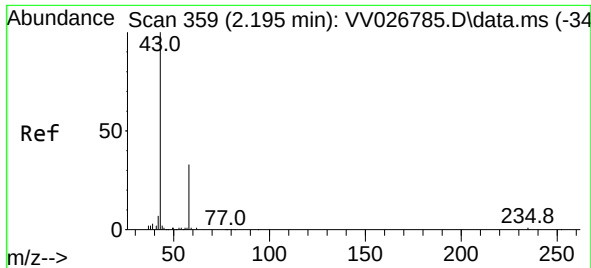
Tgt Ion: 50 Resp: 1485
Ion Ratio Lower Upper
50 100
52 30.3 22.8 42.4



#6
Bromomethane
Concen: 0.061 ug/L
RT: 1.516 min Scan# 148
Delta R.T. 0.003 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 94 Resp: 1119
Ion Ratio Lower Upper
94 100
96 71.8 67.1 124.7

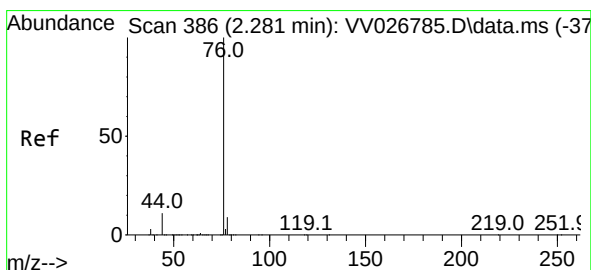
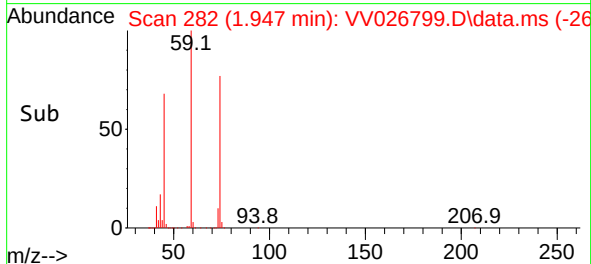
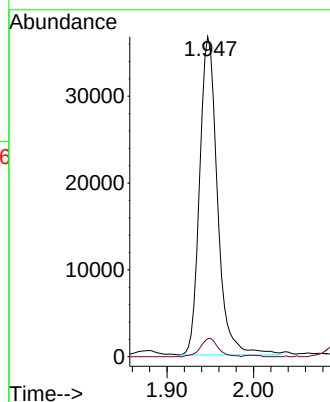
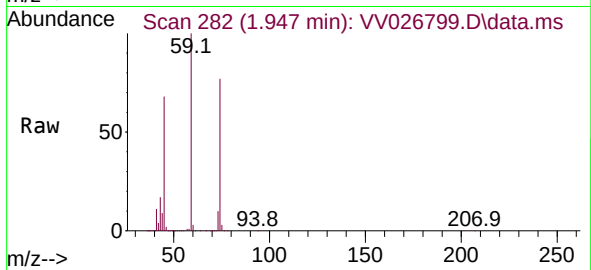




#13
Acetone
Concen: 17.720 ug/L
RT: 1.947 min Scan# 21
Delta R.T. -0.248 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

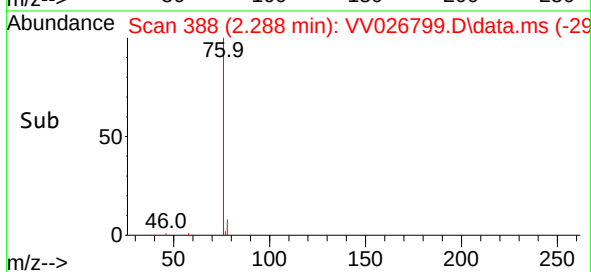
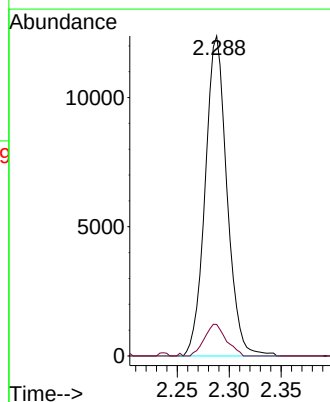
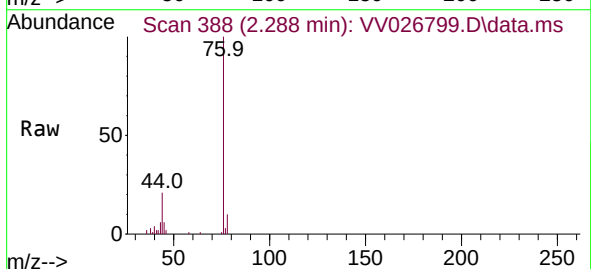
Instrument :
MSVOA_V
ClientSampleId :
H0B09

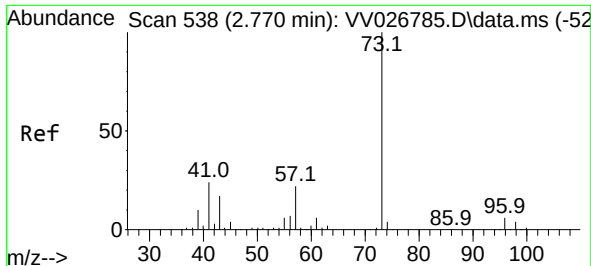
Tgt Ion: 43 Resp: 52548
Ion Ratio Lower Upper
43 100
58 5.7 0.0 20.6



#14
Carbon disulfide
Concen: 0.282 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.006 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 76 Resp: 18015
Ion Ratio Lower Upper
76 100
78 9.9 7.7 11.5

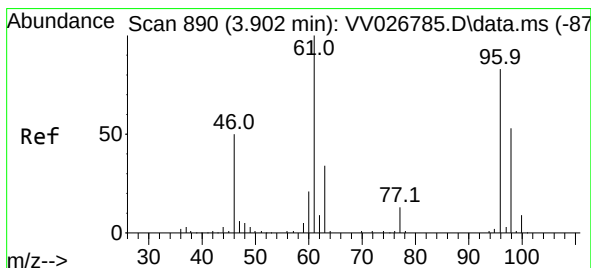
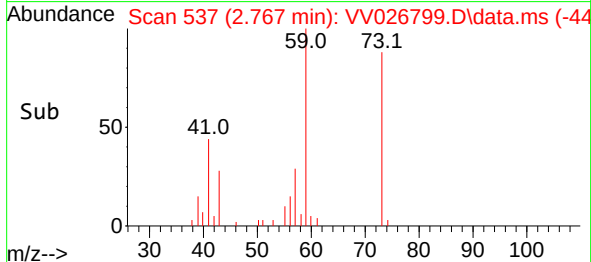
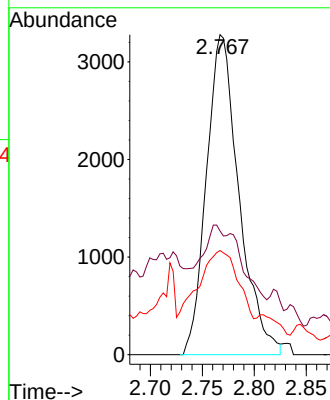
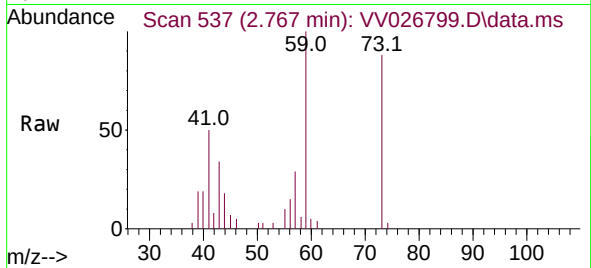




#17
Methyl tert-butyl Ether
Concen: 0.191 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

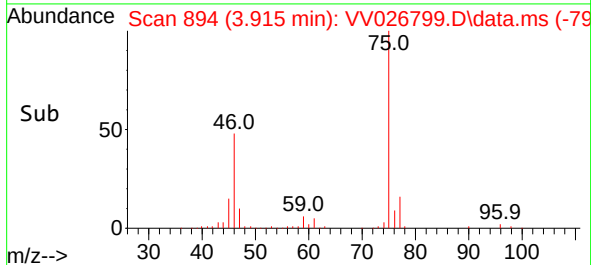
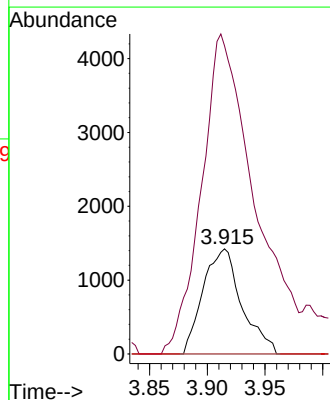
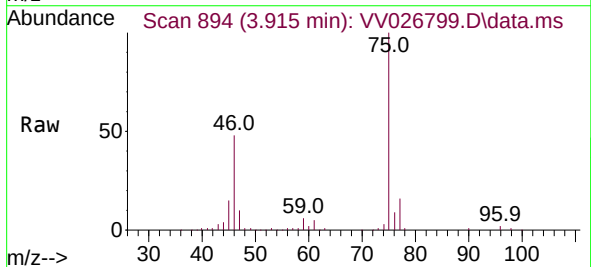
Instrument :
MSVOA_V
ClientSampleId :
H0B09

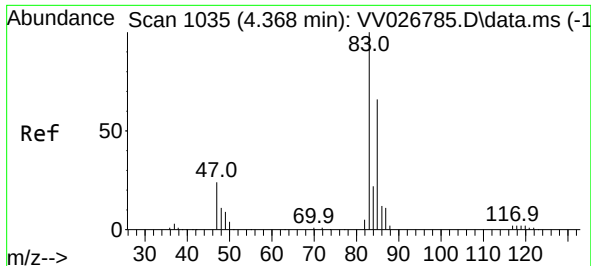
Tgt Ion: 73 Resp: 7138
Ion Ratio Lower Upper
73 100
43 26.0 14.0 21.0#
57 28.1 17.6 26.4#



#22
cis-1,2-Dichloroethene
Concen: 0.165 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.013 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 96 Resp: 3317
Ion Ratio Lower Upper
96 100
61 293.0 83.9 155.9#
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.587 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV026799.D

Acq: 15 Jul 2022 18:37

Instrument :

MSVOA_V

ClientSampleId :

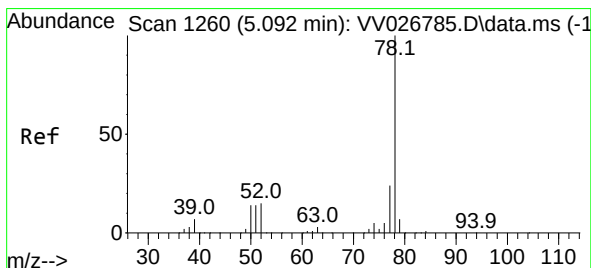
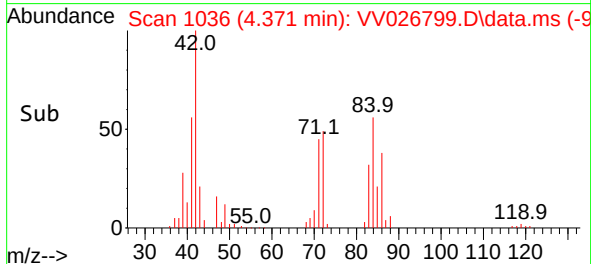
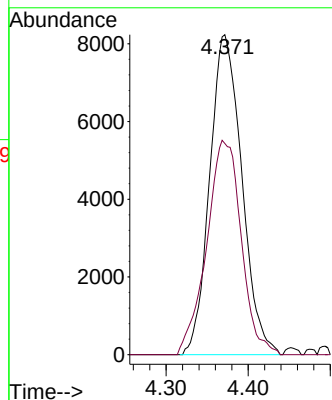
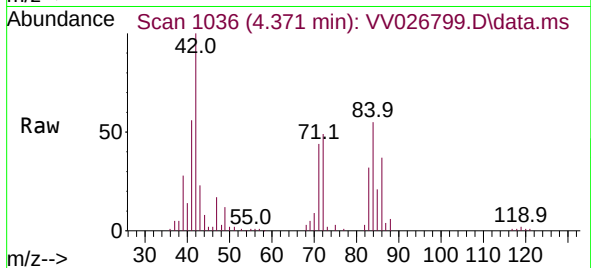
H0B09

Tgt Ion: 83 Resp: 22414

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9



#33

Benzene

Concen: 2.050 ug/L

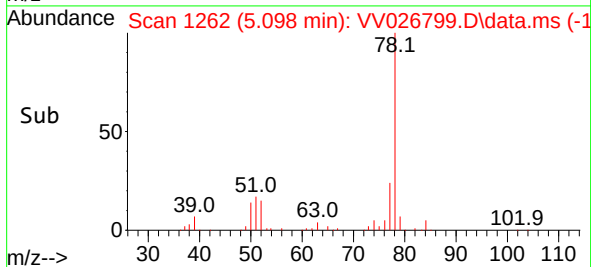
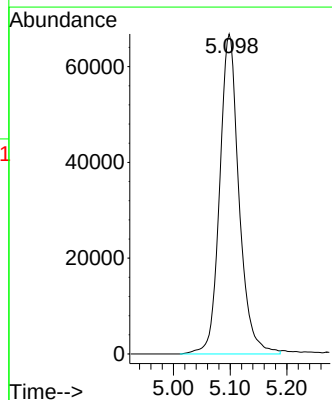
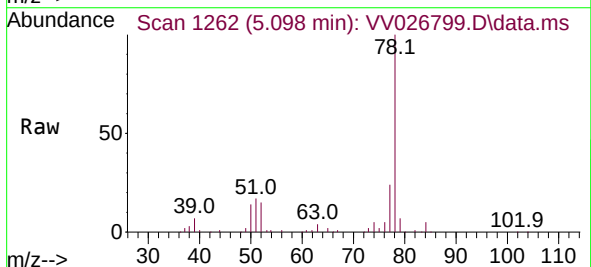
RT: 5.098 min Scan# 1262

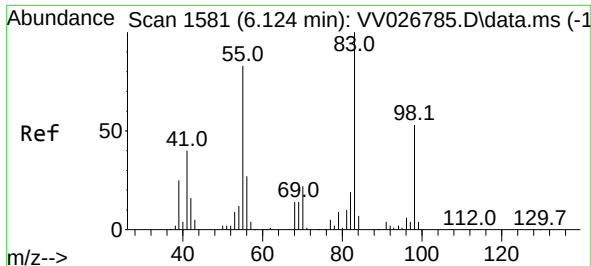
Delta R.T. 0.006 min

Lab File: VV026799.D

Acq: 15 Jul 2022 18:37

Tgt Ion: 78 Resp: 158452

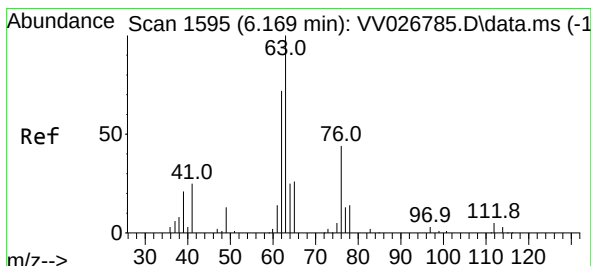
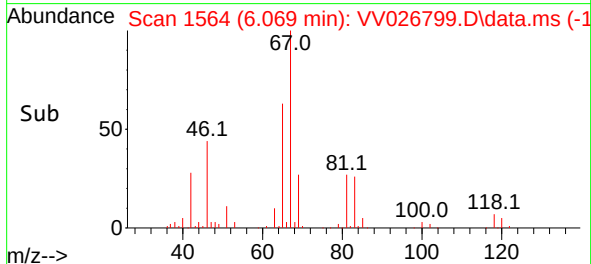
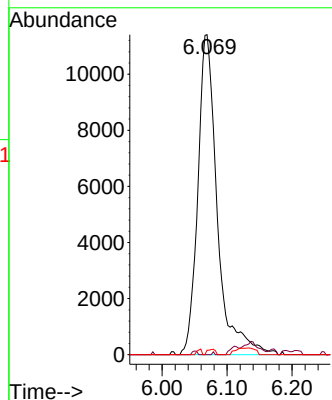
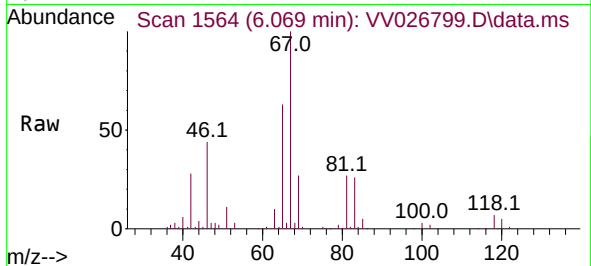




#35
Methylcyclohexane
Concen: 0.821 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.055 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

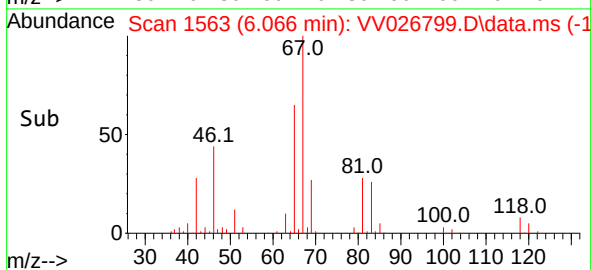
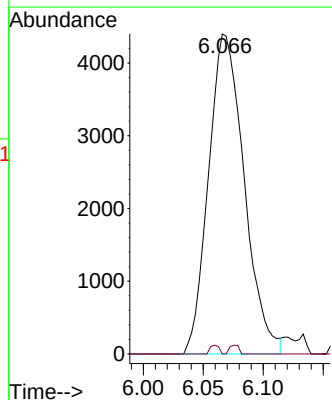
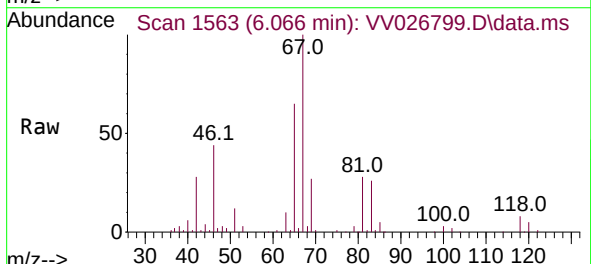
Instrument :
MSVOA_V
ClientSampleId :
H0B09

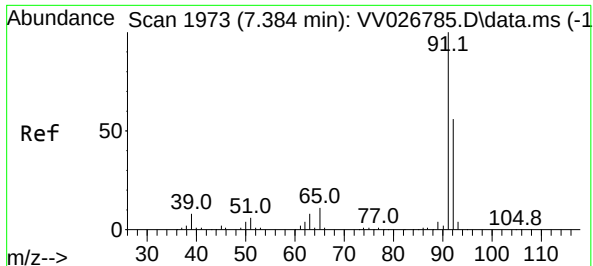
Tgt Ion: 83 Resp: 23817
Ion Ratio Lower Upper
83 100
55 1.1 59.5 89.3#
98 0.7 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.492 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 63 Resp: 9090
Ion Ratio Lower Upper
63 100
112 0.7 4.2 6.2#





#42

Toluene

Concen: 0.267 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV026799.D

Acq: 15 Jul 2022 18:37

Instrument :

MSVOA_V

ClientSampleId :

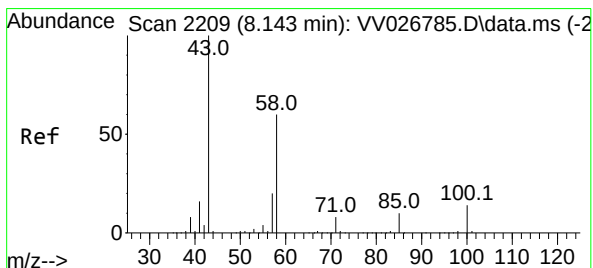
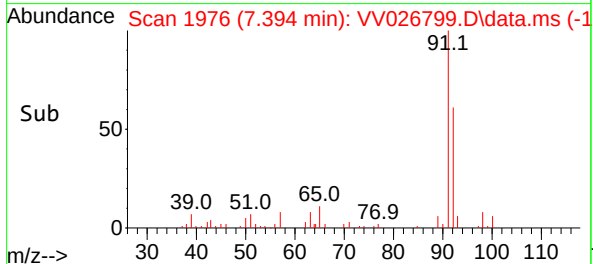
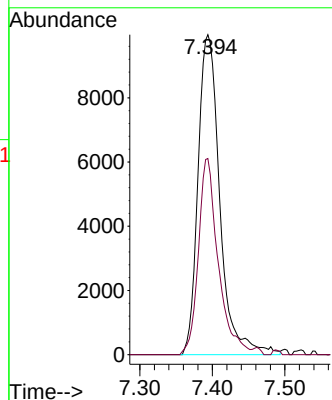
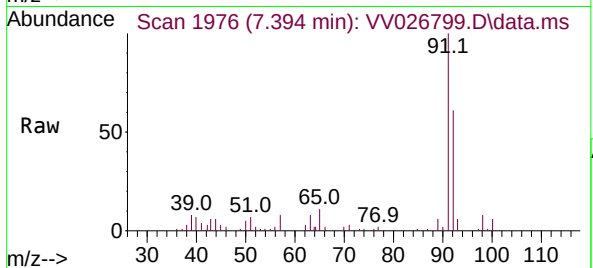
H0B09

Tgt Ion: 91 Resp: 20842

Ion Ratio Lower Upper

91 100

92 61.3 40.2 74.6



#48

2-Hexanone

Concen: 9.938 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. -0.061 min

Lab File: VV026799.D

Acq: 15 Jul 2022 18:37

Tgt Ion: 43 Resp: 61419

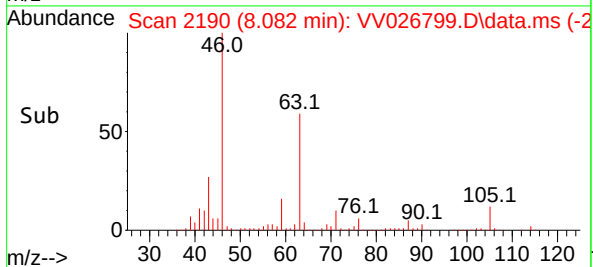
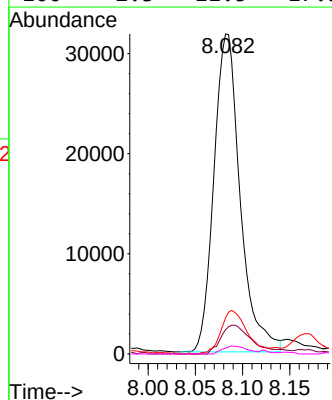
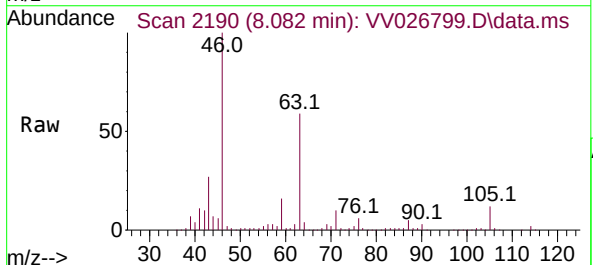
Ion Ratio Lower Upper

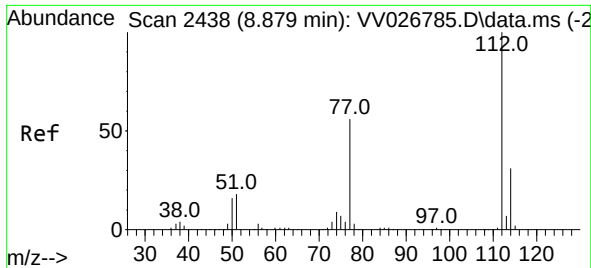
43 100

58 11.1 47.9 71.9#

57 13.7 16.3 24.5#

100 2.3 11.5 17.3#

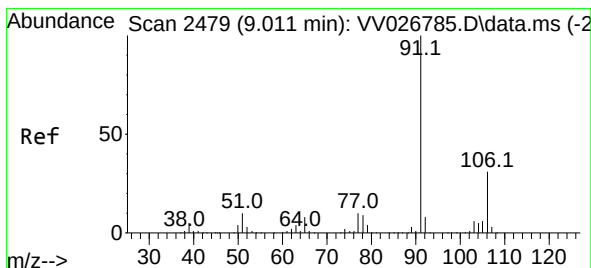
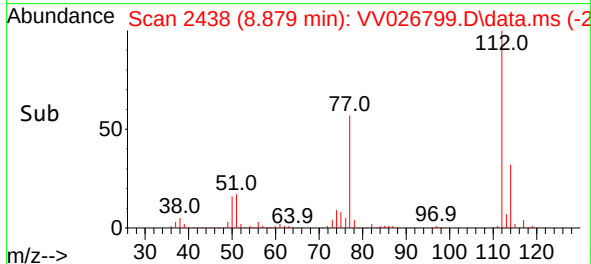
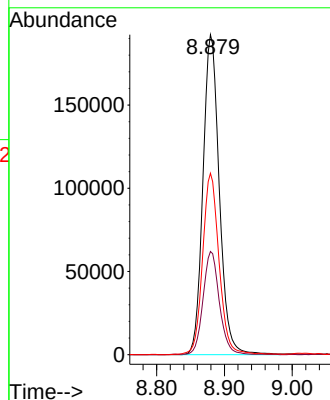
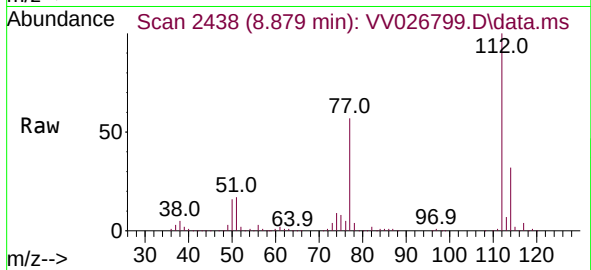




#51
Chlorobenzene
Concen: 6.527 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

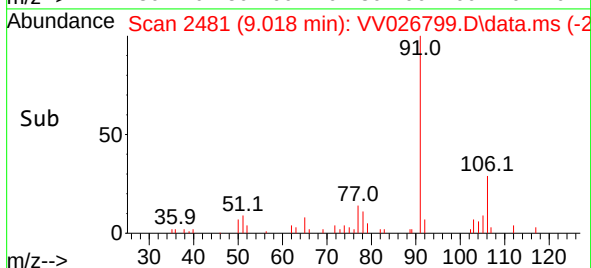
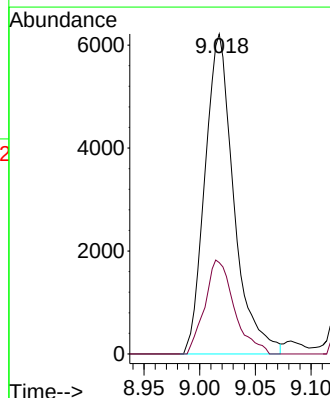
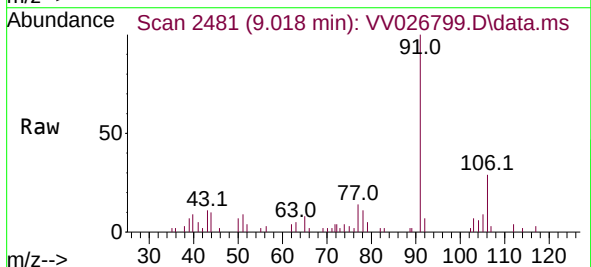
Instrument :
MSVOA_V
ClientSampleId :
H0B09

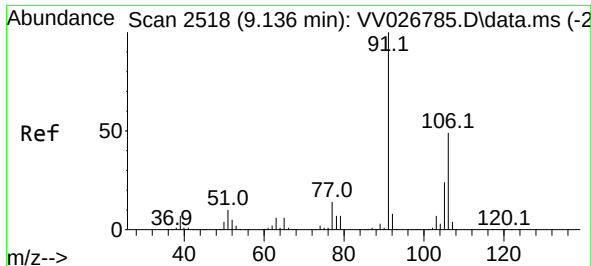
Tgt Ion:112 Resp: 322202
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.1
77 56.7 46.6 70.0



#52
Ethylbenzene
Concen: 0.145 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 91 Resp: 11187
Ion Ratio Lower Upper
91 100
106 28.6 21.6 40.2

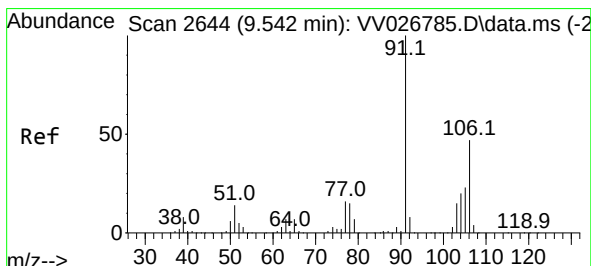
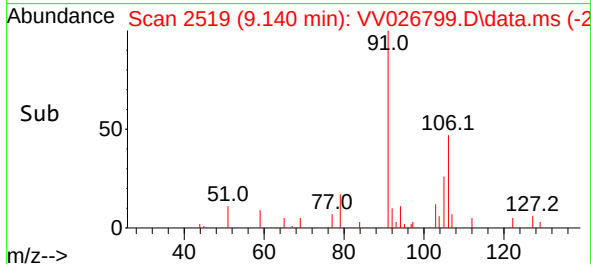
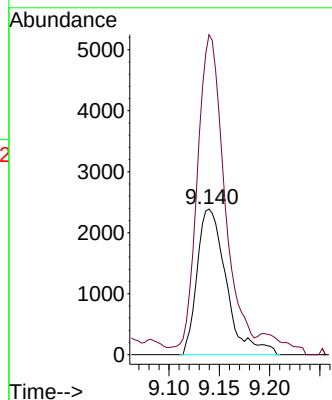
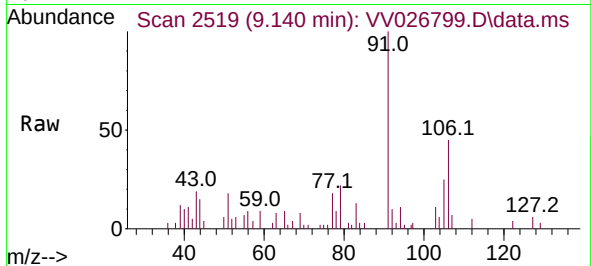




#53
m,p-Xylene
Concen: 0.160 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

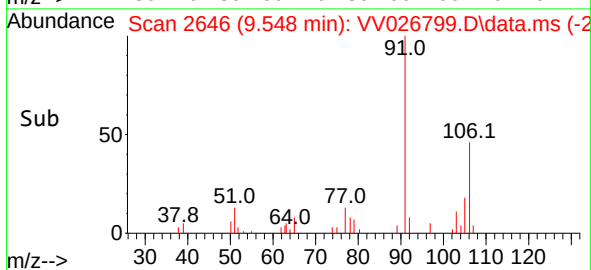
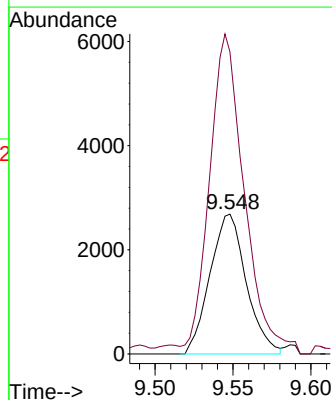
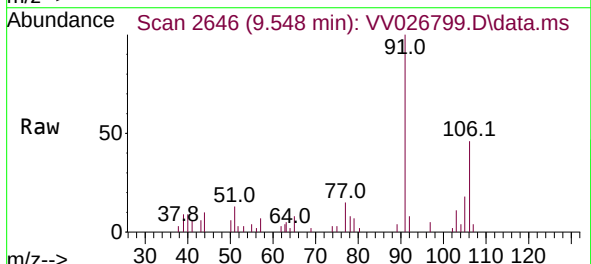
Instrument :
MSVOA_V
ClientSampleId :
H0B09

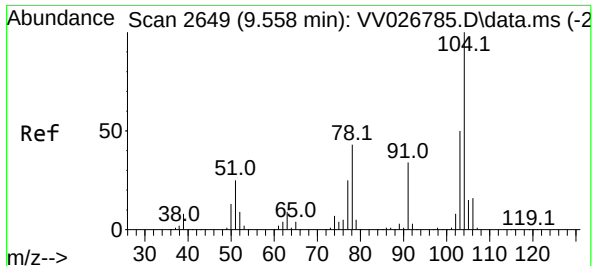
Tgt Ion:106 Resp: 4810
Ion Ratio Lower Upper
106 100
91 219.8 139.3 258.7



#54
o-Xylene
Concen: 0.152 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion:106 Resp: 4348
Ion Ratio Lower Upper
106 100
91 216.0 151.1 280.7

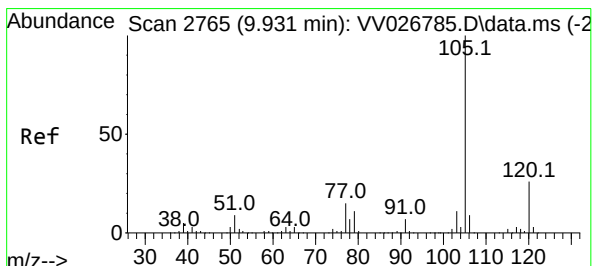
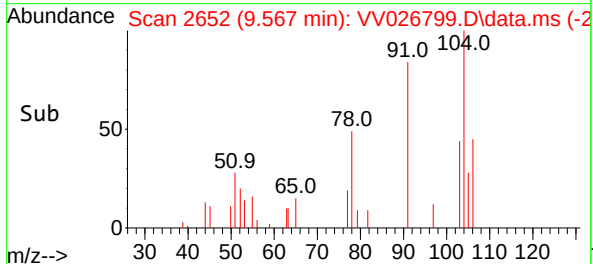
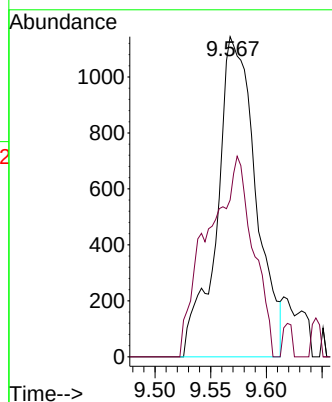
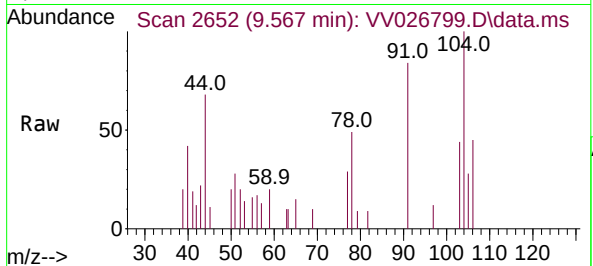




#55
Styrene
Concen: 0.055 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

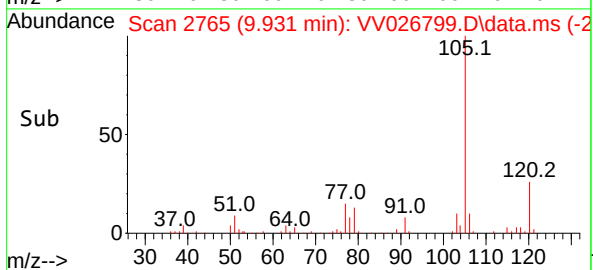
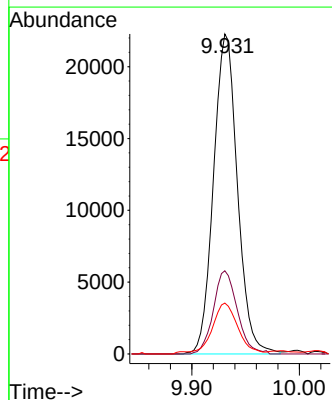
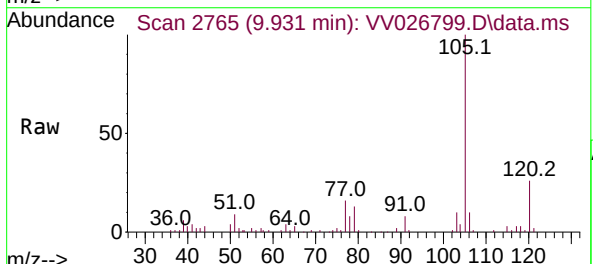
Instrument :
MSVOA_V
ClientSampleId :
H0B09

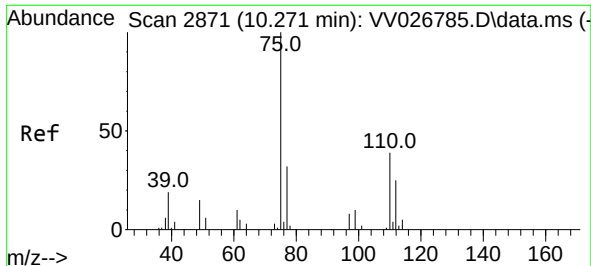
Tgt Ion:104 Resp: 2776
Ion Ratio Lower Upper
104 100
78 49.0 29.5 54.9



#60
Isopropylbenzene
Concen: 0.463 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion:105 Resp: 34427
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 17.1 12.5 18.7

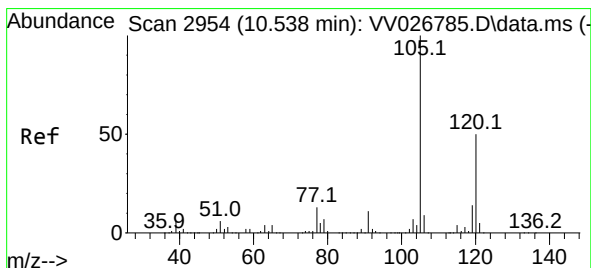
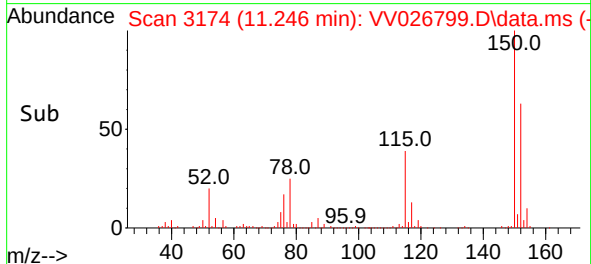
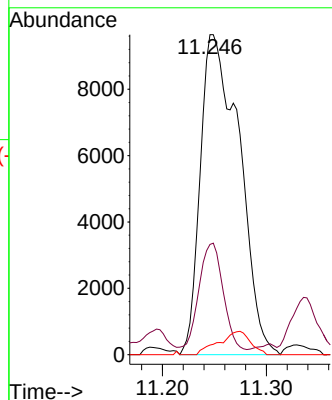
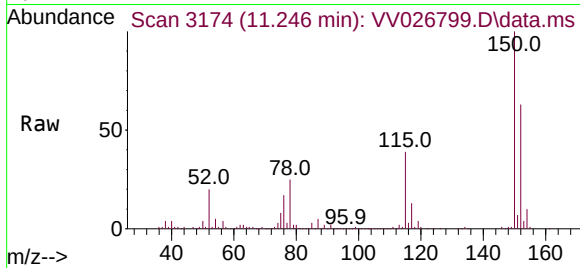




#61
1,2,3-Trichloropropane
Concen: 2.280 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

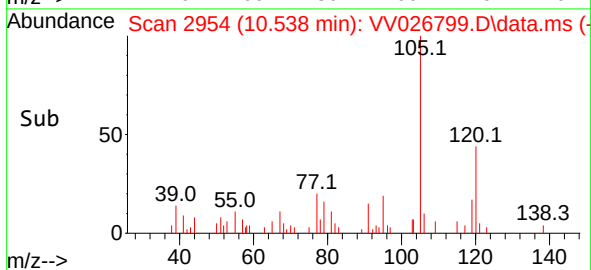
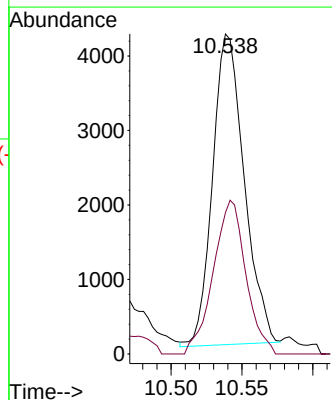
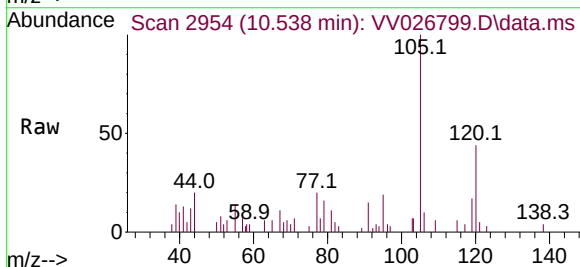
Instrument :
MSVOA_V
ClientSampleId :
H0B09

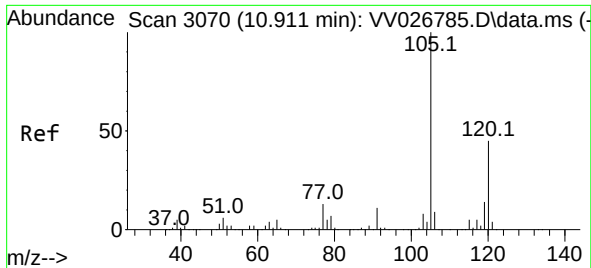
Tgt Ion: 75 Resp: 25054
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
110 5.9 31.8 47.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.110 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion: 105 Resp: 6474
Ion Ratio Lower Upper
105 100
120 50.8 39.6 59.4

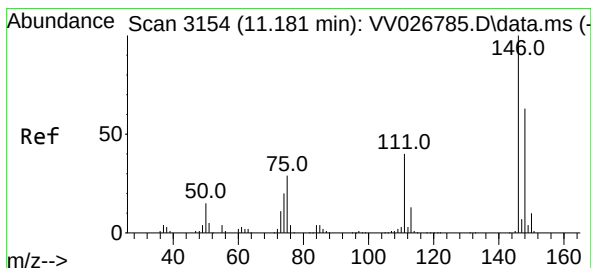
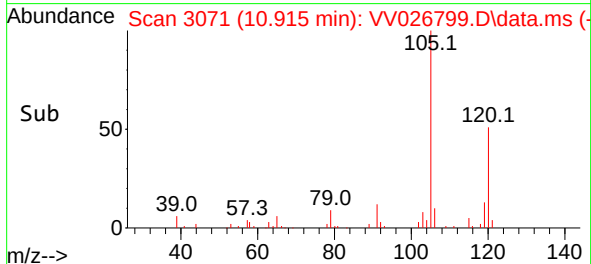
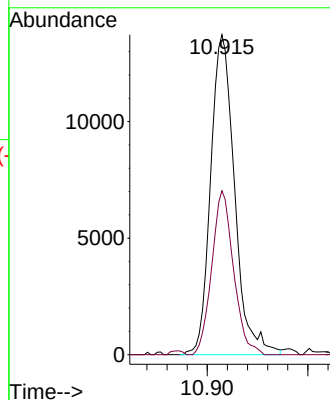
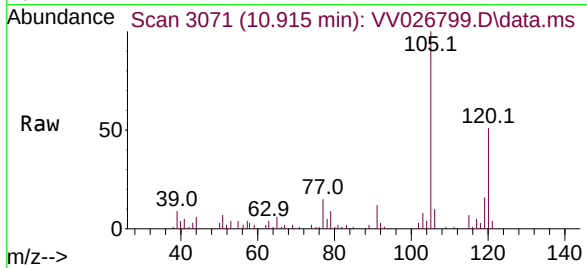




#63
1,2,4-Trimethylbenzene
Concen: 0.378 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

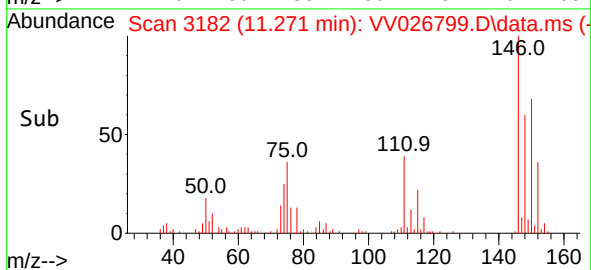
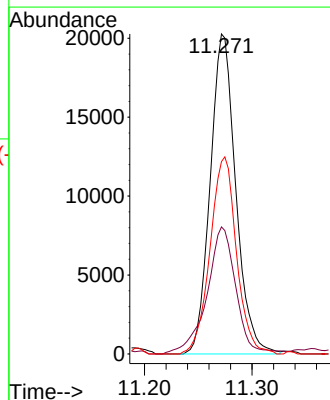
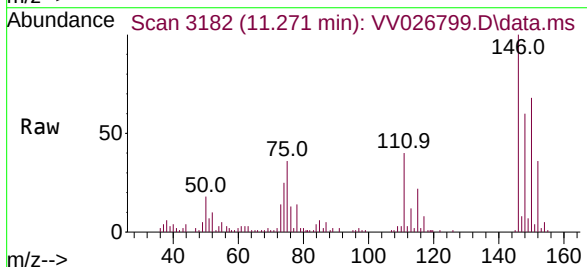
Instrument :
MSVOA_V
ClientSampleId :
H0B09

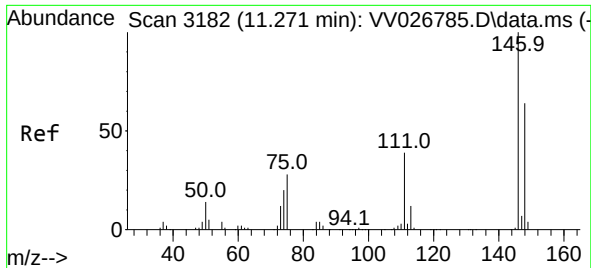
Tgt Ion:105 Resp: 22716
Ion Ratio Lower Upper
105 100
120 46.6 36.8 55.2



#64
1,3-Dichlorobenzene
Concen: 0.919 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.090 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion:146 Resp: 33467
Ion Ratio Lower Upper
146 100
111 39.7 27.9 51.7
148 60.1 44.9 83.5

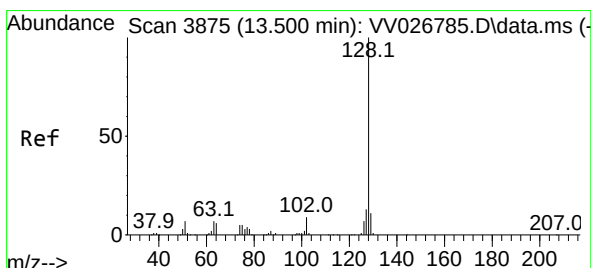
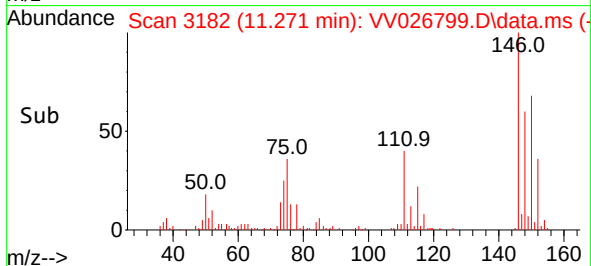
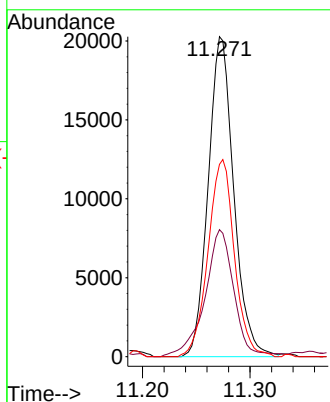
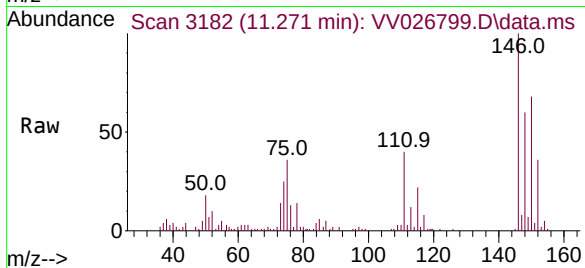




#65
1,4-Dichlorobenzene
Concen: 0.904 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Instrument :
MSVOA_V
ClientSampleId :
H0B09

Tgt Ion:146 Resp: 33467
Ion Ratio Lower Upper
146 100
111 39.7 26.8 49.8
148 60.1 43.3 80.5



#71
Naphthalene
Concen: 1.653 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV026799.D
Acq: 15 Jul 2022 18:37

Tgt Ion:128 Resp: 53592
Ion Ratio Lower Upper
128 100
129 10.4 8.4 12.6
127 12.8 10.7 16.1

