

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028327.D
 Acq On : 04 Oct 2022 14:16
 Operator : SY/MD
 Sample : N4856-11DL2 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 23:24:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	189675	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	185289	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	85166	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	38288	2.686	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.800%
7) Chloroethane-d5	1.561	69	42031	3.484	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.102	63	57725	2.149	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	43.000%#
20) 2-Butanone-d5	3.902	46	158589	65.767	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.540%#
24) Chloroform-d	4.343	84	111512	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.027	65	57403	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.044	84	200654	3.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.063	67	71269	4.888	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.314	98	148635	3.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.600%#
43) trans-1,3-Dichloroprop...	7.622	79	21859	3.936	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.085	63	134799	59.304	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.600%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	58496	5.293	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	68314	4.661	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	538	0.037	ug/L	98
5) Vinyl chloride	1.304	62	1125	0.069	ug/L #	1
6) Bromomethane	1.520	94	488	0.063	ug/L #	64
8) Chloroethane	1.401	64	232212	21.400	ug/L #	50
14) Carbon disulfide	2.288	76	3257	0.077	ug/L #	93
15) Methyl Acetate	2.487	43	16672	3.869	ug/L #	55
16) Methylene chloride	2.500	84	10883	0.711	ug/L	92
22) cis-1,2-Dichloroethene	3.915	96	1044	0.073	ug/L #	52
25) Chloroform	4.372	83	6450	0.244	ug/L	97
27) 1,2-Dichloroethane	5.134	62	3314	0.234	ug/L #	78
30) Cyclohexane	4.671	56	3621	0.184	ug/L #	82
33) Benzene	5.092	78	653963	11.856	ug/L	100
35) Methylcyclohexane	6.124	83	1350	0.060	ug/L #	40
37) 1,2-Dichloropropane	6.063	63	7200	0.564	ug/L #	87
42) Toluene	7.391	91	15259	0.263	ug/L	96
52) Ethylbenzene	9.011	91	82277	1.349	ug/L	97
53) m,p-Xylene	9.140	106	17002	0.699	ug/L	100
60) Isopropylbenzene	9.934	105	3208	0.062	ug/L #	97
61) 1,2,3-Trichloropropane	11.243	75	8820	1.342	ug/L #	67

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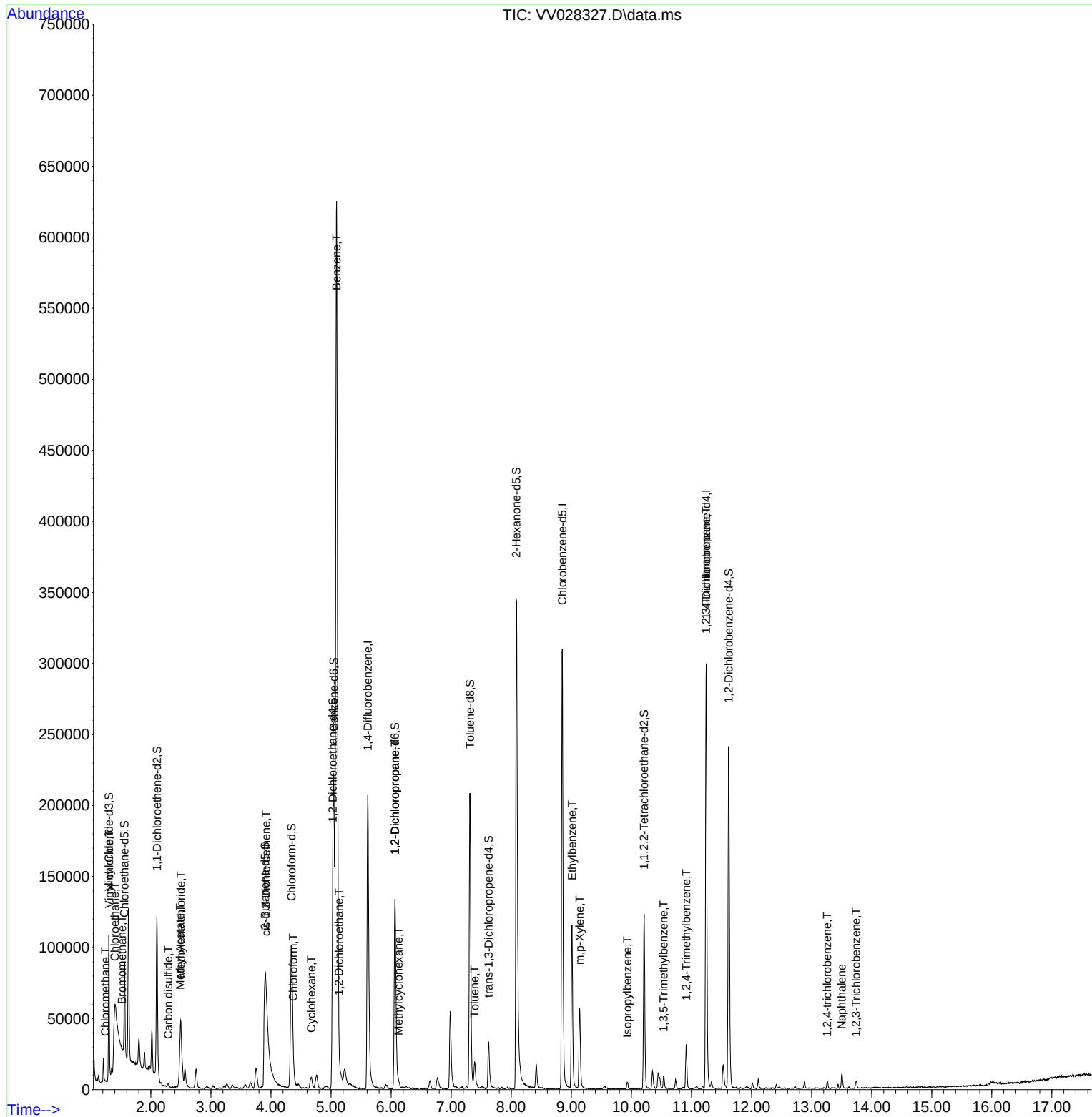
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.535	105	4752	0.321	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	17059	0.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	1656	0.107	ug/L #	78
71) Naphthalene	13.503	128	9103	0.378	ug/L	98
72) 1,2,3-Trichlorobenzene	13.741	180	2173	0.156	ug/L	97

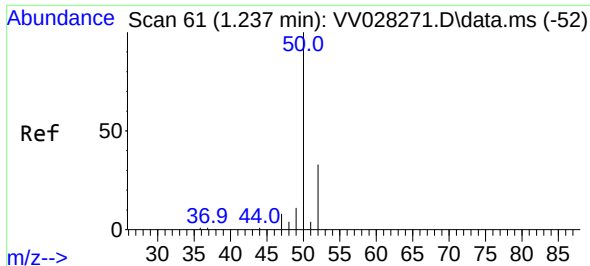
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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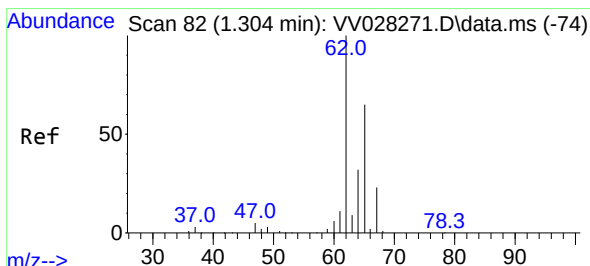
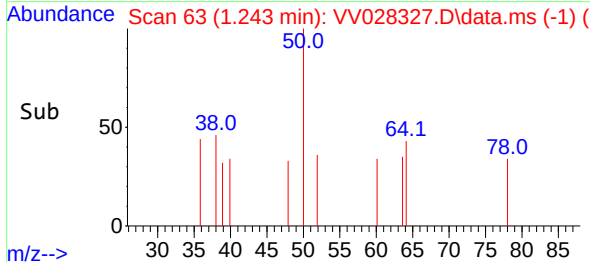
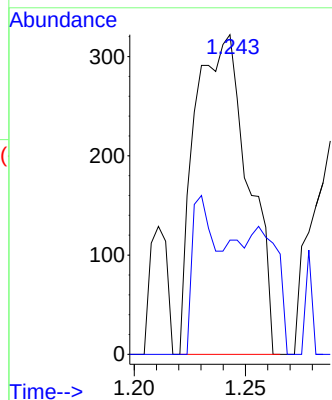
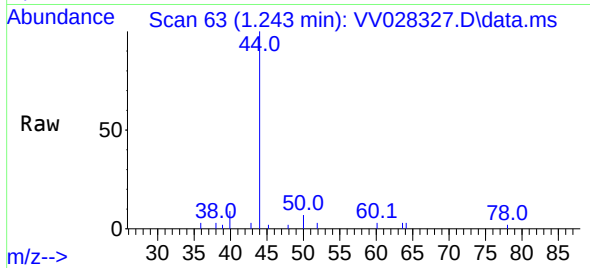




#3
Chloromethane
Concen: 0.037 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.007 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

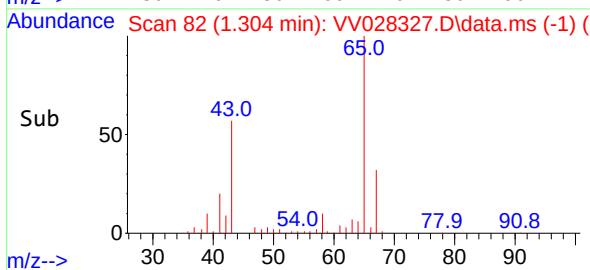
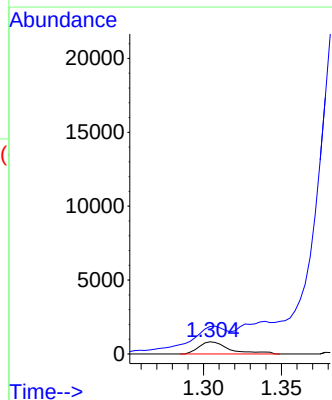
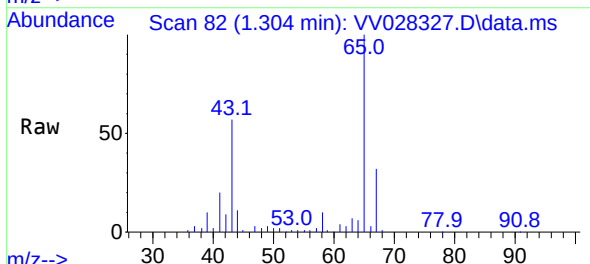
Instrument :
MSVOA_V
ClientSampleId :

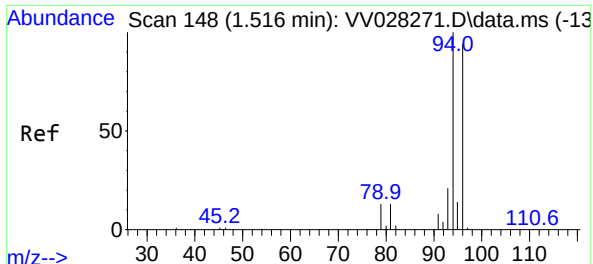
Tgt Ion: 50 Resp: 538
Ion Ratio Lower Upper
50 100
52 35.7 24.4 45.2



#5
Vinyl chloride
Concen: 0.069 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion: 62 Resp: 1125
Ion Ratio Lower Upper
62 100
64 225.8 23.0 42.8#

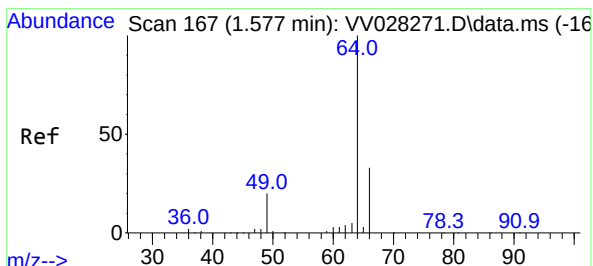
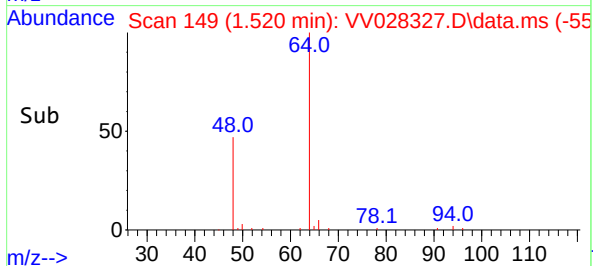
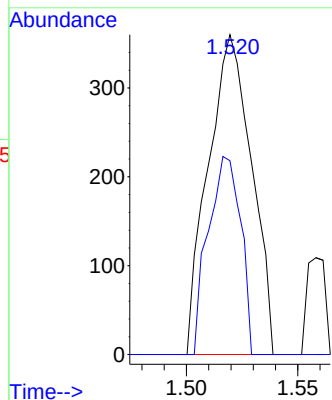
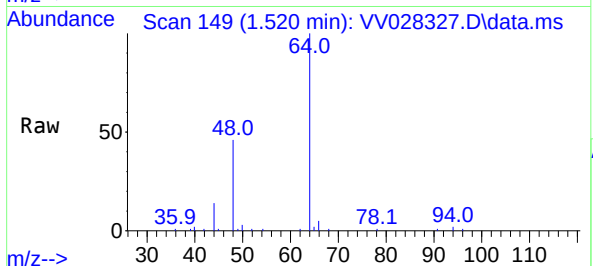




#6
Bromomethane
Concen: 0.063 ug/L
RT: 1.520 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

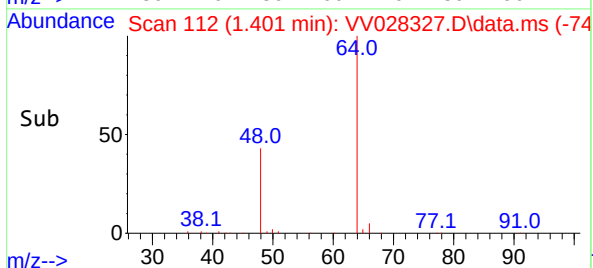
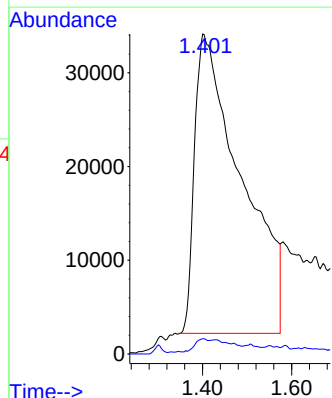
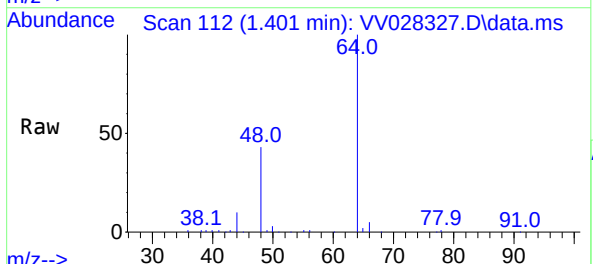
Instrument :
MSVOA_V
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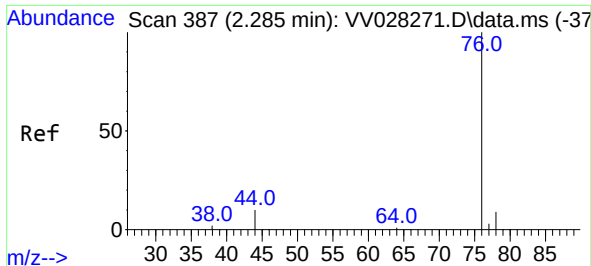
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 60.6 66.7 123.9#



#8
Chloroethane
Concen: 21.400 ug/L
RT: 1.401 min Scan# 112
Delta R.T. -0.177 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion: 64 Resp: 232212
Ion Ratio Lower Upper
64 100
66 4.7 23.0 42.8#

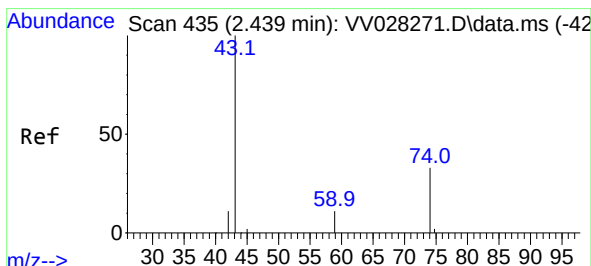
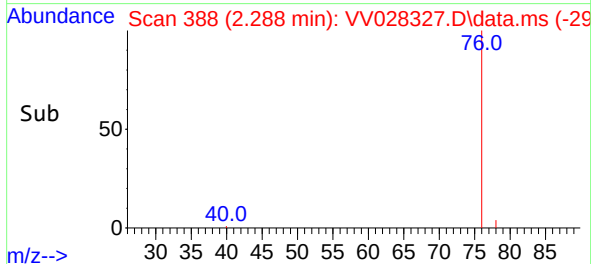
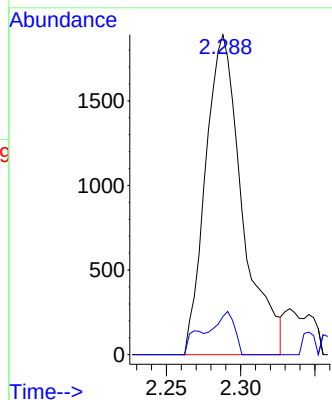
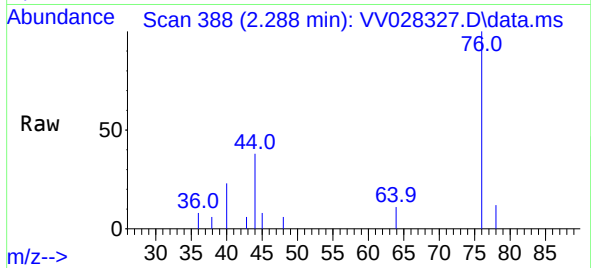




#14
Carbon disulfide
Concen: 0.077 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

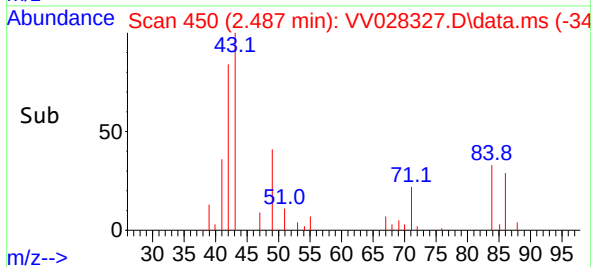
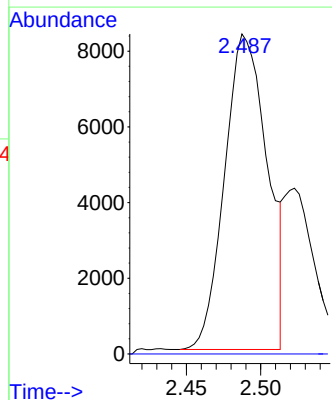
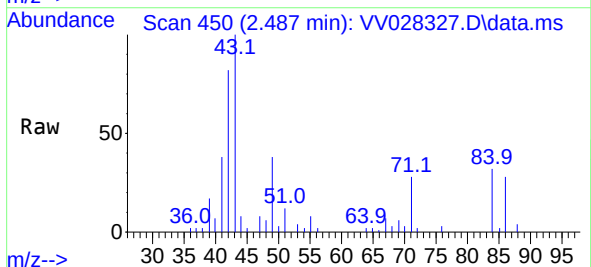
Instrument :
MSVOA_V
ClientSampleId :

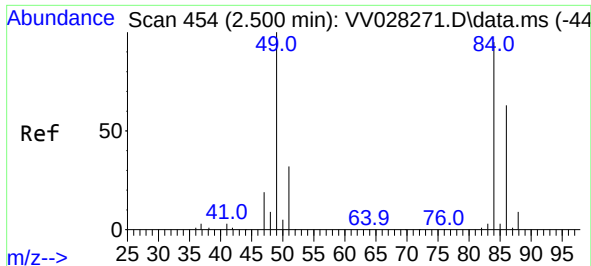
Tgt Ion: 76 Resp: 3257
Ion Ratio Lower Upper
76 100
78 12.0 7.6 11.4#



#15
Methyl Acetate
Concen: 3.869 ug/L
RT: 2.487 min Scan# 450
Delta R.T. 0.055 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

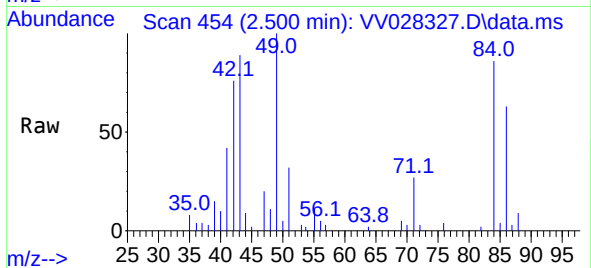
Tgt Ion: 43 Resp: 16672
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



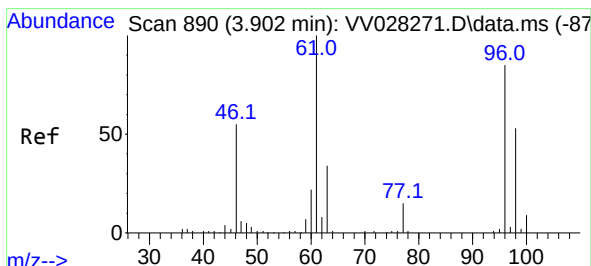
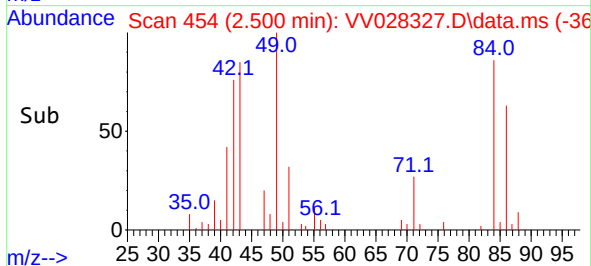
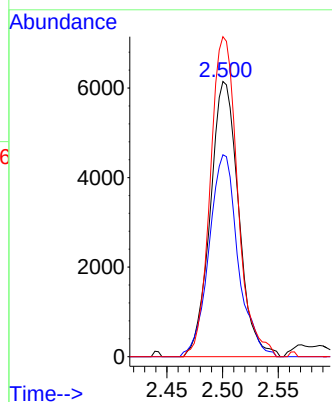


#16
Methylene chloride
Concen: 0.711 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Instrument :
MSVOA_V
ClientSampleId :

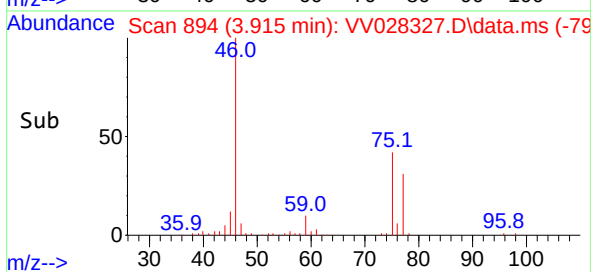
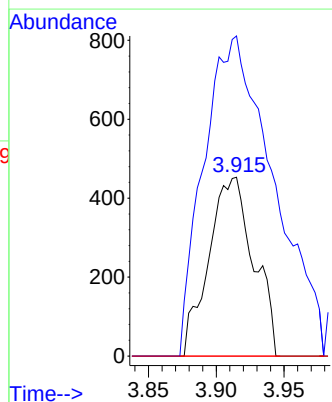
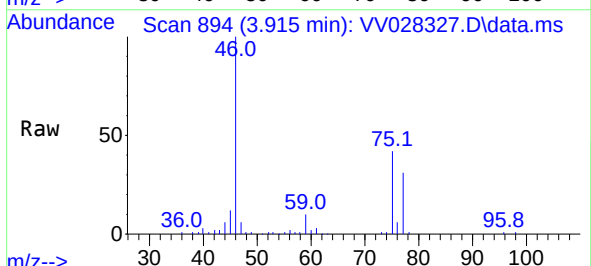


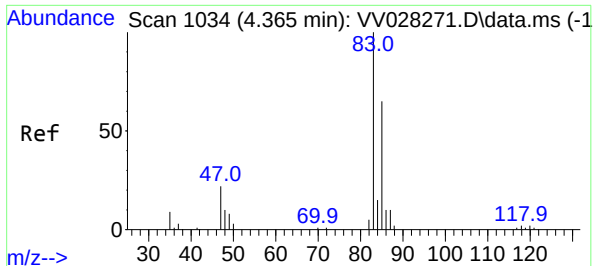
Tgt Ion: 84 Resp: 10883
Ion Ratio Lower Upper
84 100
86 73.4 46.8 86.8
49 116.3 87.5 162.5



#22
cis-1,2-Dichloroethene
Concen: 0.073 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.010 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion: 96 Resp: 1044
Ion Ratio Lower Upper
96 100
61 179.0 87.2 161.9#
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.244 ug/L

RT: 4.372 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV028327.D

Acq: 04 Oct 2022 14:16

Instrument :

MSVOA_V

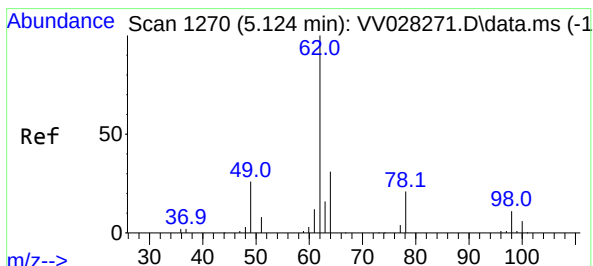
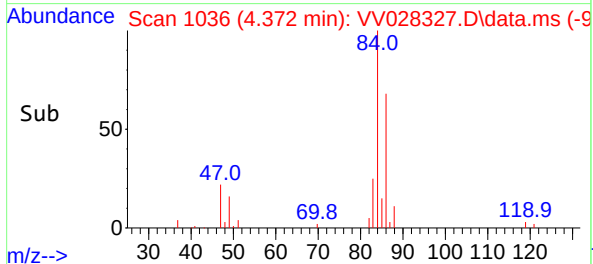
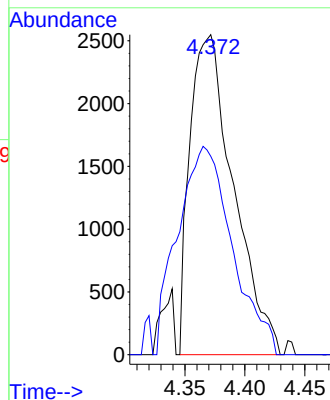
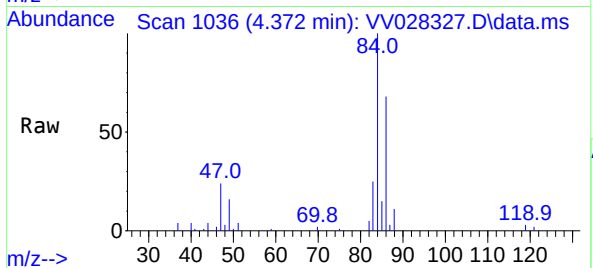
ClientSampleId :

Tgt Ion: 83 Resp: 6450

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.234 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VV028327.D

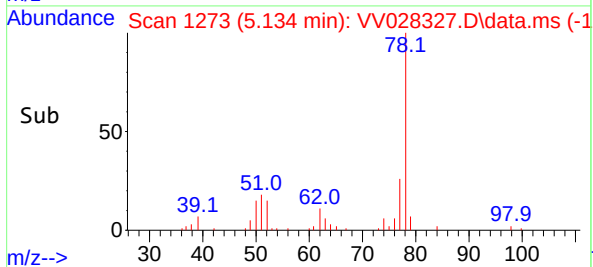
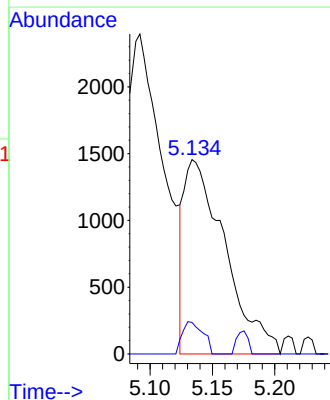
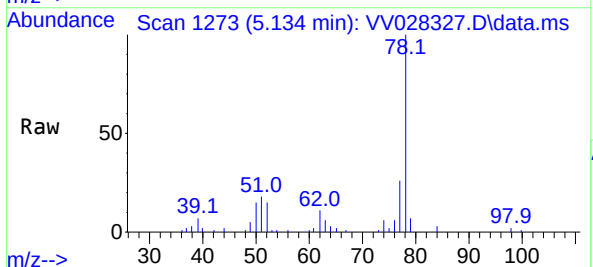
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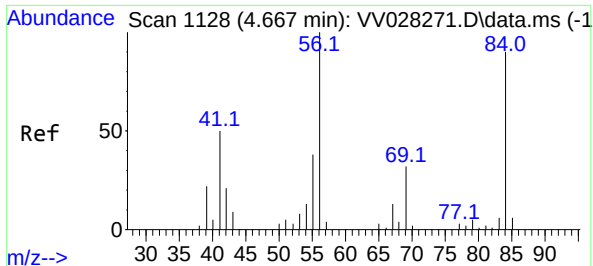
Tgt Ion: 62 Resp: 3314

Ion Ratio Lower Upper

62 100

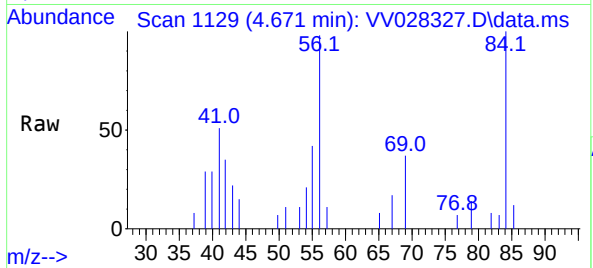
98 16.2 6.7 10.1#



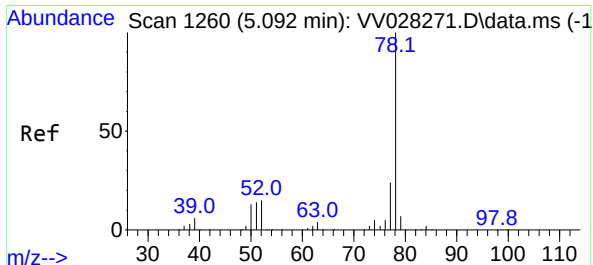
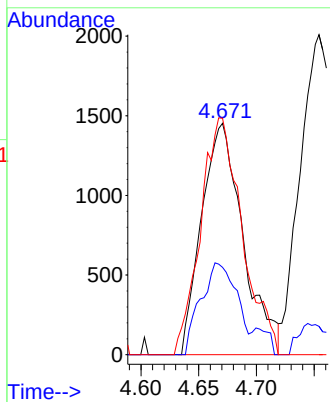
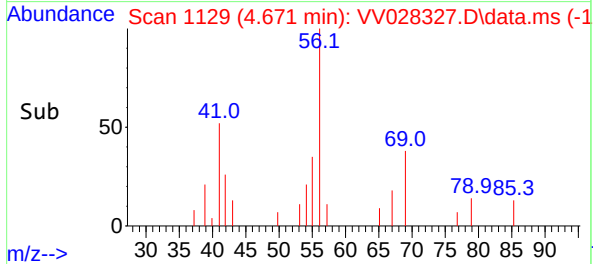


#30
Cyclohexane
Concen: 0.184 ug/L
RT: 4.671 min Scan# 1128
Delta R.T. 0.003 min
Lab File: VV028327.D
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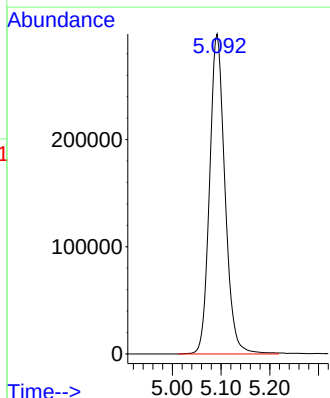
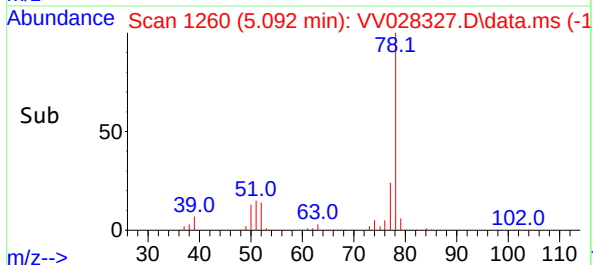
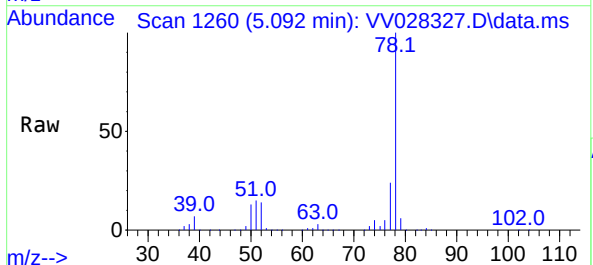


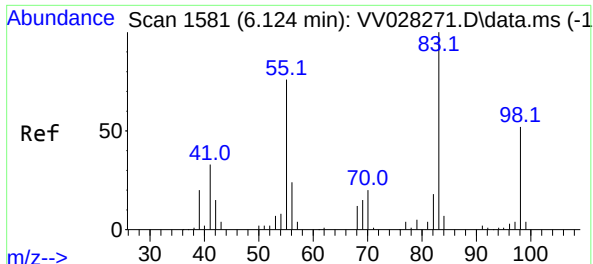
Tgt Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 35.2 23.7 35.5
84 102.5 67.3 100.9#



#33
Benzene
Concen: 11.856 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

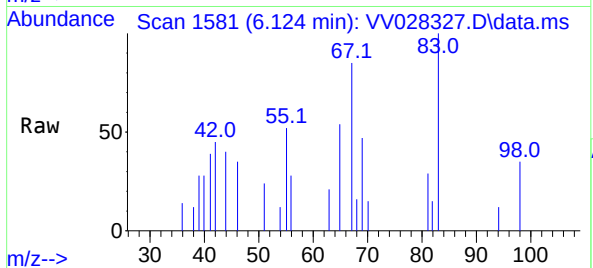
Tgt Ion: 78 Resp: 653963



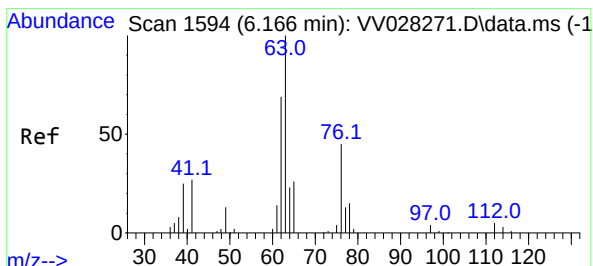
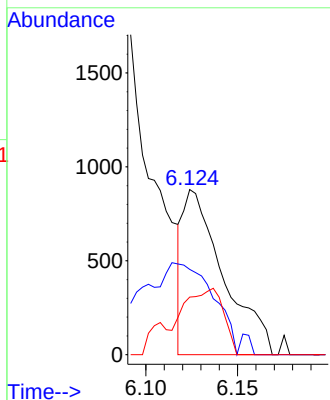
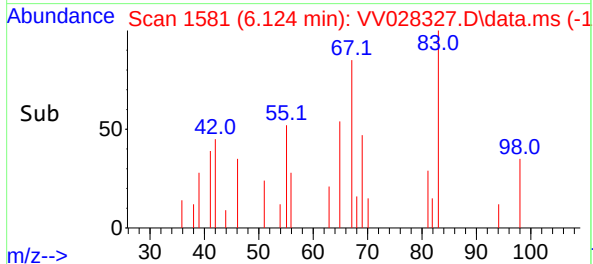


#35
Methylcyclohexane
Concen: 0.060 ug/L
RT: 6.124 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Instrument :
MSVOA_V
ClientSampleId :

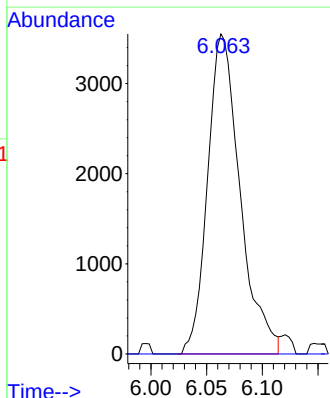
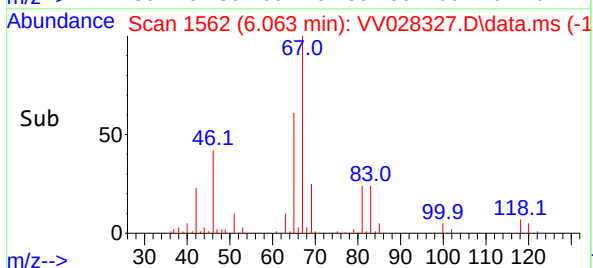
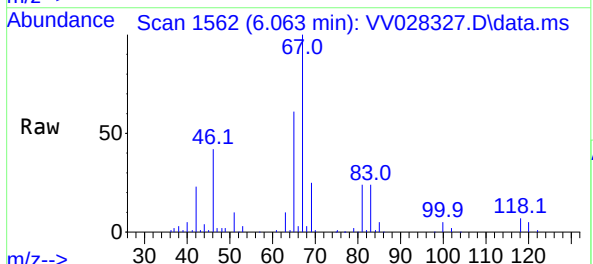


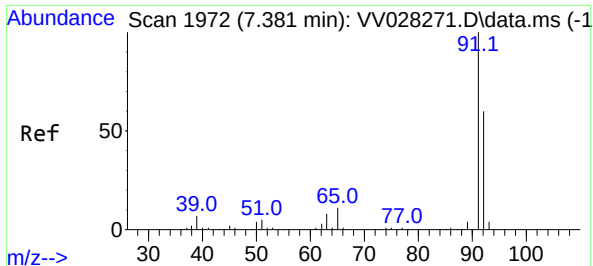
Tgt Ion: 83 Resp: 1350
Ion Ratio Lower Upper
83 100
55 3.3 64.7 97.1#
98 38.7 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.106 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion: 63 Resp: 7200
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

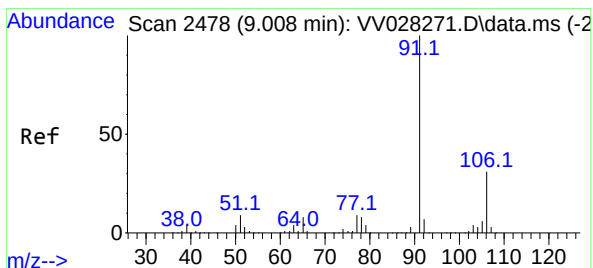
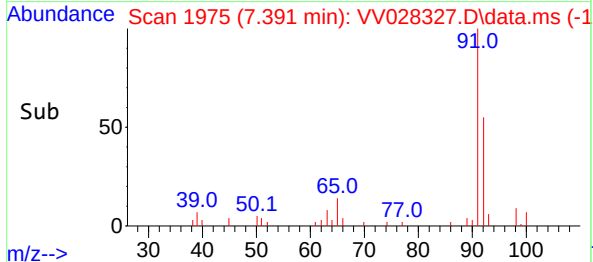
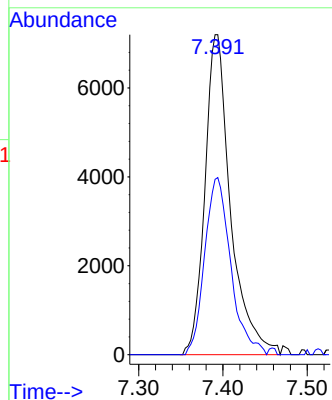
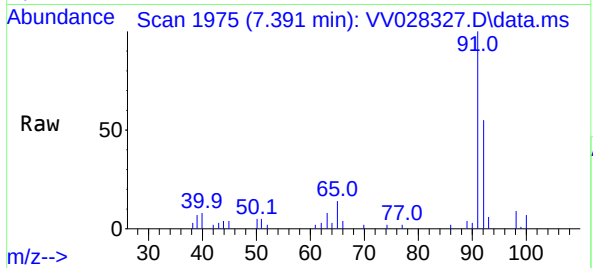




#42
Toluene
Concen: 0.263 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.007 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

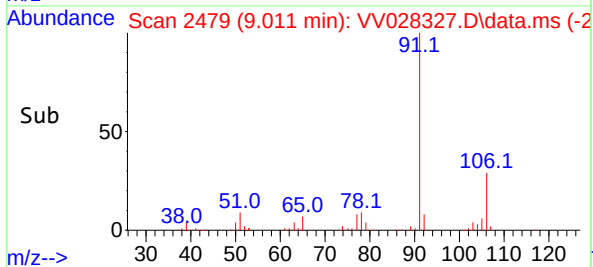
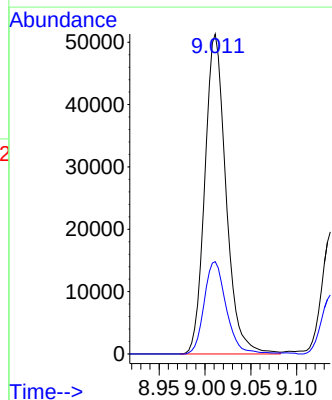
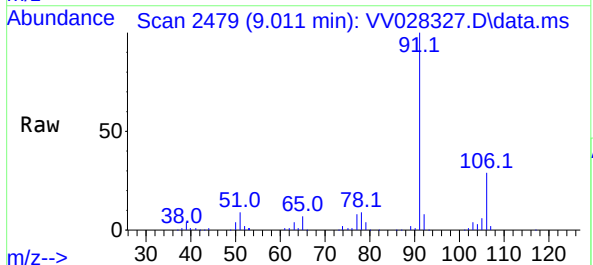
Instrument :
MSVOA_V
ClientSampleId :

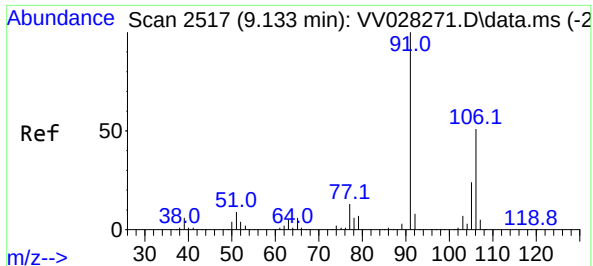
Tgt Ion: 91 Resp: 15259
Ion Ratio Lower Upper
91 100
92 54.8 40.2 74.6



#52
Ethylbenzene
Concen: 1.349 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion: 91 Resp: 82277
Ion Ratio Lower Upper
91 100
106 28.8 21.5 39.9

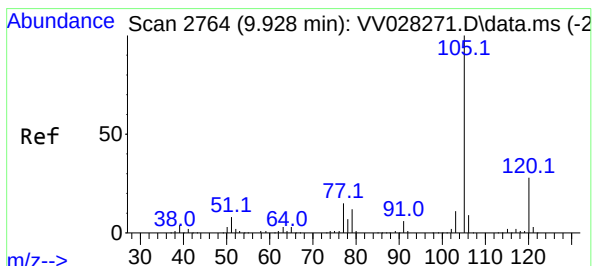
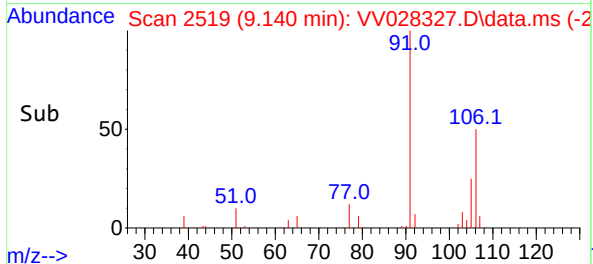
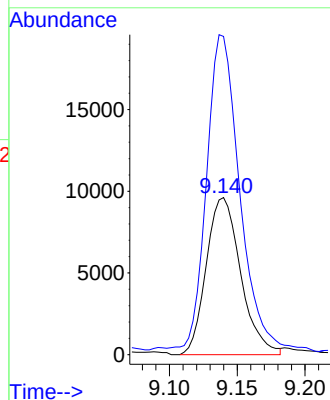
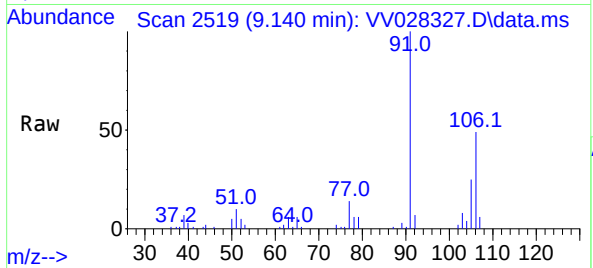




#53
m,p-Xylene
Concen: 0.699 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

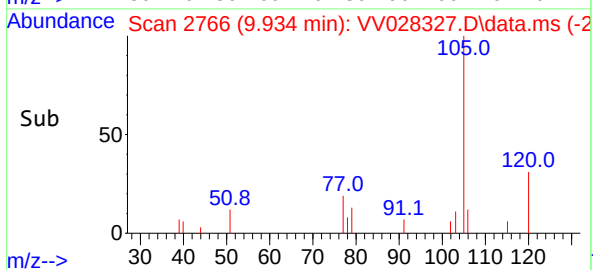
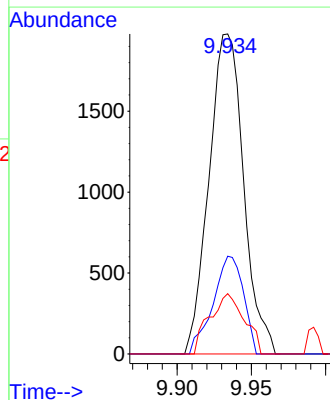
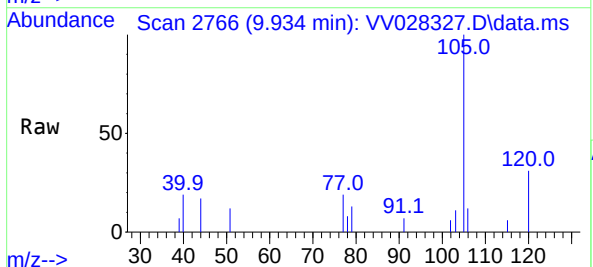
Instrument :
MSVOA_V
ClientSampleId :

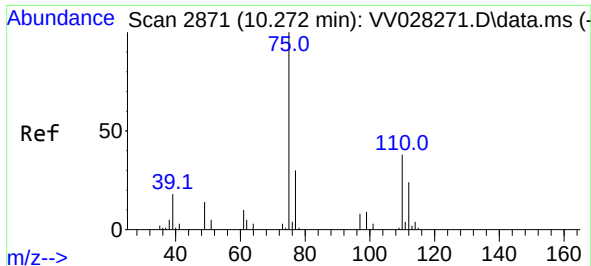
Tgt Ion:106 Resp: 17002
Ion Ratio Lower Upper
106 100
91 202.5 141.9 263.5



#60
Isopropylbenzene
Concen: 0.062 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.007 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion:105 Resp: 3208
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 19.0 12.2 18.4#





#61

1,2,3-Trichloropropane

Concen: 1.342 ug/L

RT: 11.243 min Scan# 31

Delta R.T. 0.972 min

Lab File: VV028327.D

Acq: 04 Oct 2022 14:16

Instrument :

MSVOA_V

ClientSampleId :

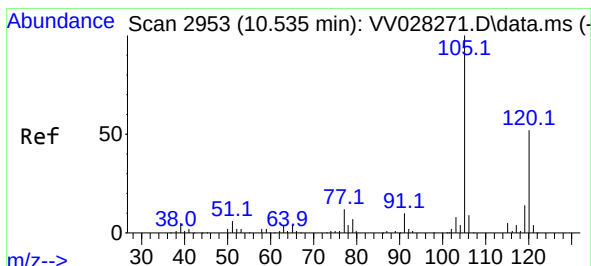
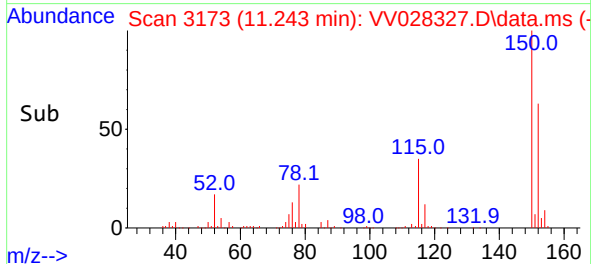
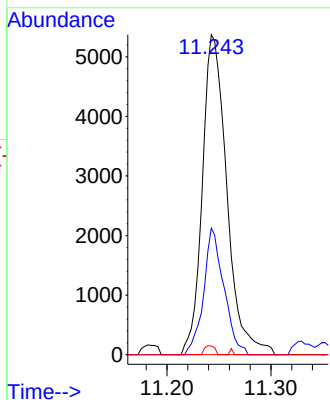
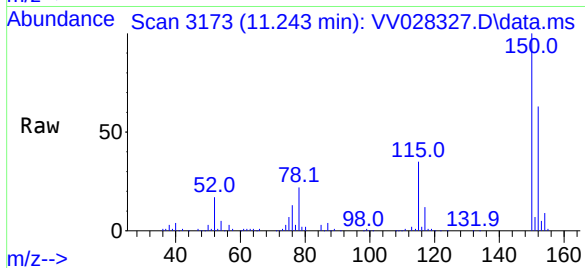
Tgt Ion: 75 Resp: 8820

Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1

110 1.2 30.1 45.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.321 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV028327.D

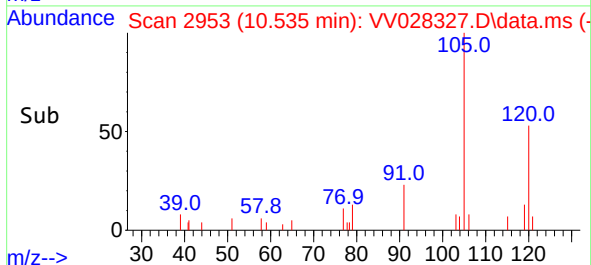
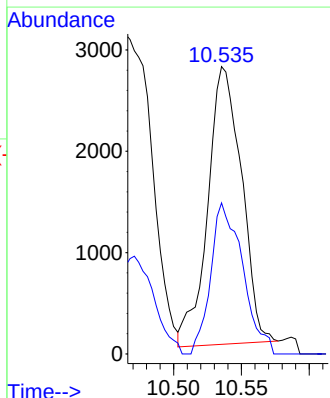
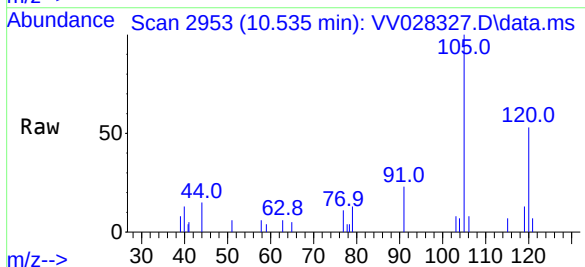
Acq: 04 Oct 2022 14:16

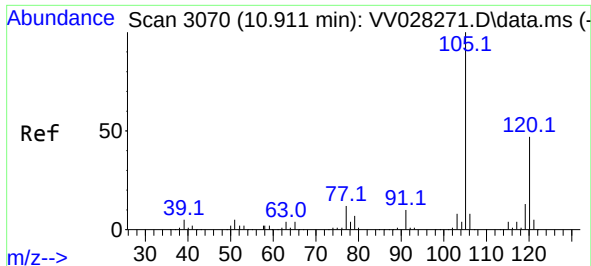
Tgt Ion: 105 Resp: 4752

Ion Ratio Lower Upper

105 100

120 51.3 40.6 61.0

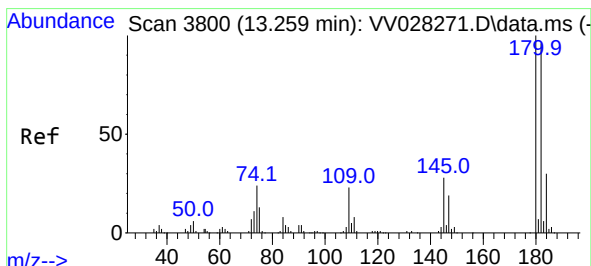
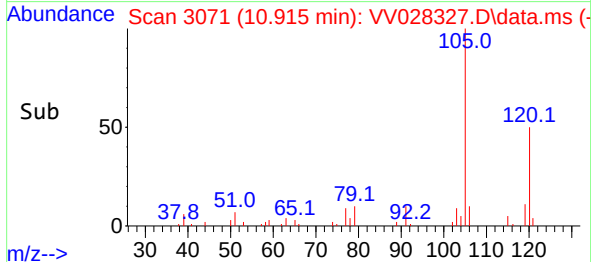
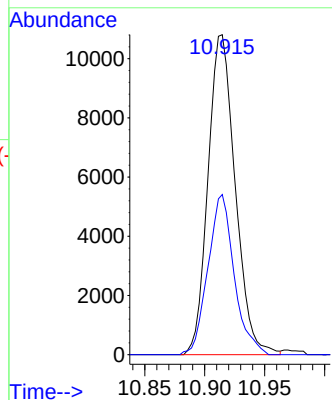
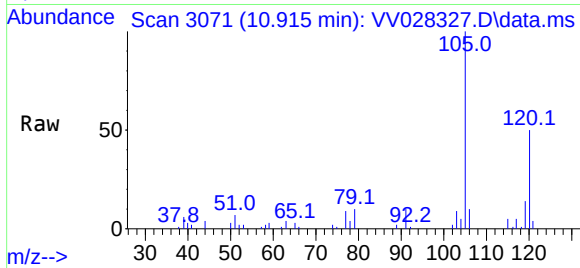




#63
1,2,4-Trimethylbenzene
Concen: 0.406 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

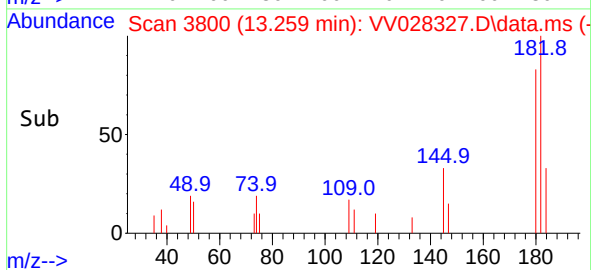
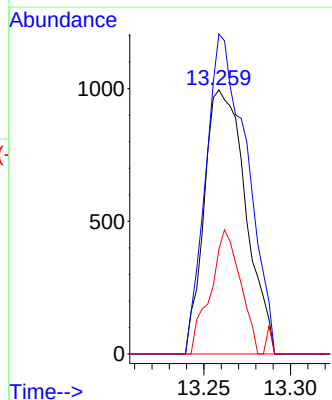
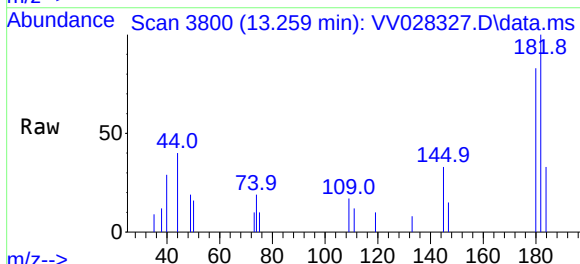
Instrument :
MSVOA_V
ClientSampleId :

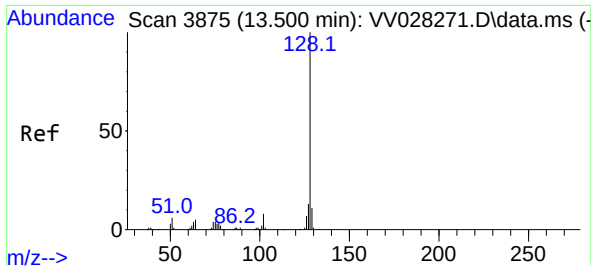
Tgt Ion:105 Resp: 17059
Ion Ratio Lower Upper
105 100
120 48.2 37.8 56.8



#70
1,2,4-trichlorobenzene
Concen: 0.107 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion:180 Resp: 1656
Ion Ratio Lower Upper
180 100
182 119.7 76.3 114.5#
145 34.1 22.9 34.3

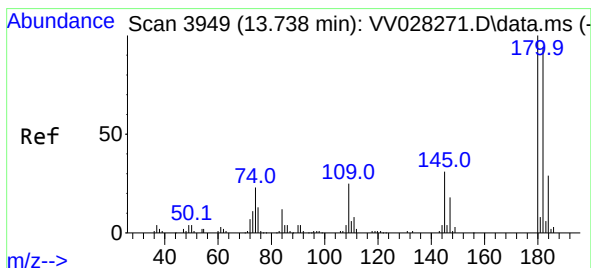
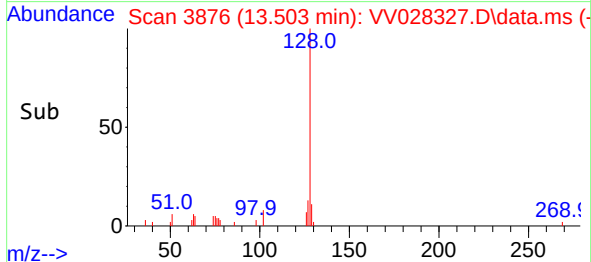
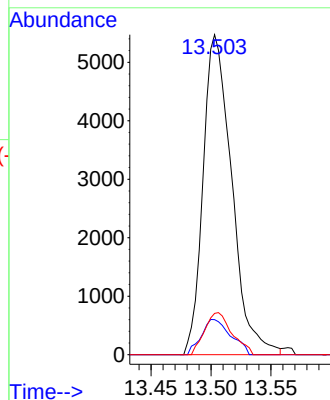
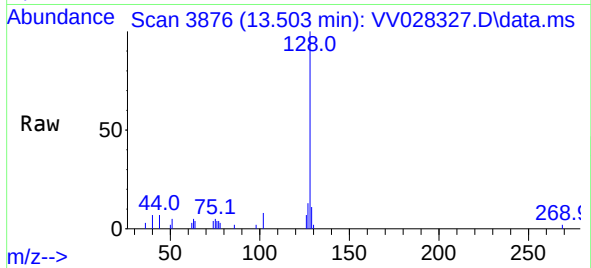




#71
Naphthalene
Concen: 0.378 ug/L
RT: 13.503 min Scan# 3910
Delta R.T. 0.003 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	128	Resp:	9103
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.2	12.2
127	12.6	10.4	15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.156 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV028327.D
Acq: 04 Oct 2022 14:16

Tgt Ion:	180	Resp:	2173
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.4	116.0
145	29.6	24.6	36.8

