

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029250.D
 Acq On : 21 Nov 2022 02:11
 Operator : SY/MD
 Sample : N5725-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 03:57:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	386932	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	342465	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	171892	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	103425	4.384	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.561	69	93195	4.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.101	63	136100	3.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.400%
20) 2-Butanone-d5	3.896	46	166832	42.249	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.500%
24) Chloroform-d	4.336	84	197077	4.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.024	65	82662	3.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
32) Benzene-d6	5.040	84	406543	3.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.059	67	122049	4.276	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.307	98	356393	3.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	7.612	79	38605	4.147	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.082	63	143028	35.993	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.980%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	82411	4.164	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	132455	4.307	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	32386	1.210	ug/L	96
5) Vinyl chloride	1.121	62	2182	0.071	ug/L	85
6) Bromomethane	1.516	94	865	0.047	ug/L	89
13) Acetone	2.198	43	43450	17.106	ug/L	98
14) Carbon disulfide	2.291	76	49076	0.590	ug/L	99
15) Methyl Acetate	2.442	43	4481	0.727	ug/L #	86
16) Methylene chloride	2.500	84	6166	0.204	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	7554	0.278	ug/L	98
22) cis-1,2-Dichloroethene	3.899	96	1283	0.046	ug/L	88
25) Chloroform	4.365	83	20960	0.450	ug/L	99
33) Benzene	5.088	78	4716	0.045	ug/L	100
34) Trichloroethene	5.905	95	8197	0.306	ug/L	98
35) Methylcyclohexane	6.063	83	30933	0.657	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	12928	0.536	ug/L #	86
39) cis-1,3-Dichloropropene	6.979	75	3126	0.093	ug/L #	35
42) Toluene	7.381	91	114546	1.013	ug/L	98
47) Tetrachloroethene	7.966	164	9889	0.461	ug/L	90
49) Dibromochloromethane	7.966	129	8420	0.441	ug/L #	10
52) Ethylbenzene	9.005	91	11458	0.097	ug/L	98

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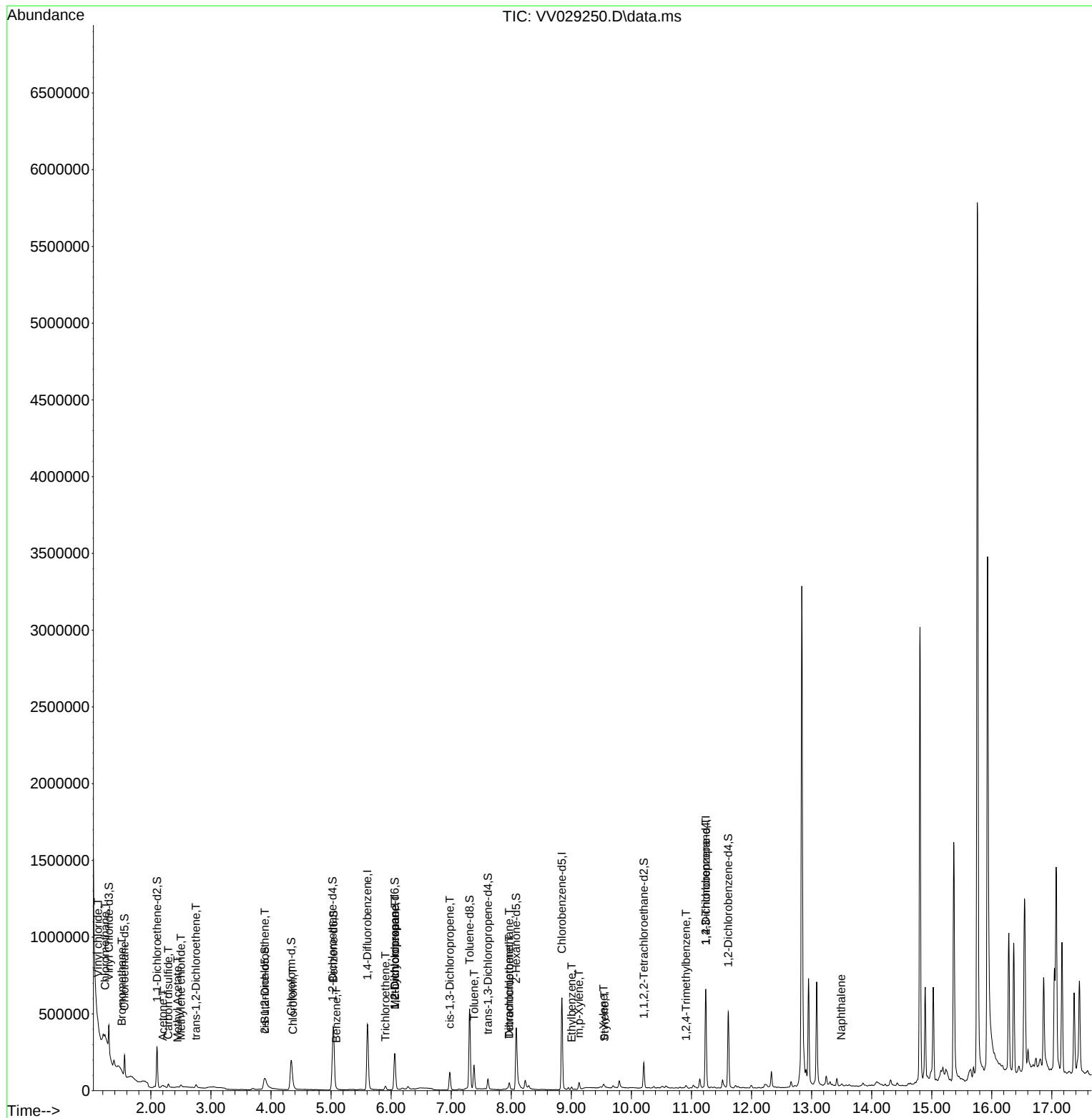
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.127	106	11859	0.253	ug/L	95
54) o-Xylene	9.535	106	5076	0.114	ug/L	95
55) Styrene	9.554	104	3883	0.052	ug/L	99
61) 1,2,3-Trichloropropane	11.239	75	20124	1.713	ug/L #	65
63) 1,2,4-Trimethylbenzene	10.908	105	8755	0.092	ug/L #	64
71) Naphthalene	13.493	128	3048	0.077	ug/L #	88

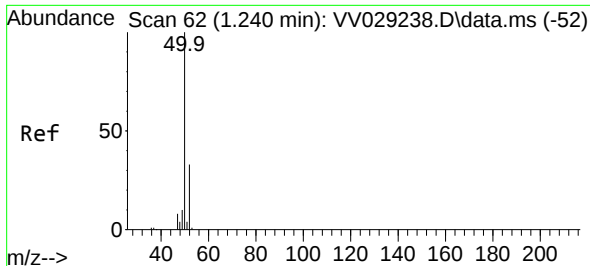
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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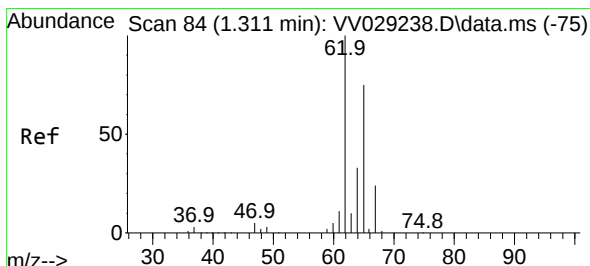
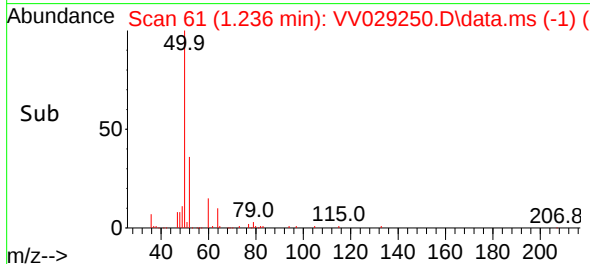
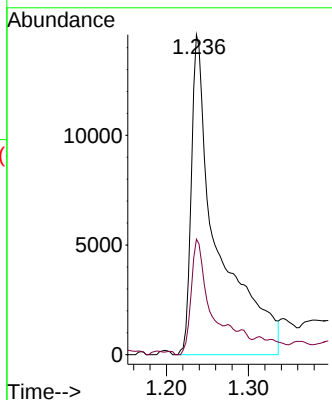
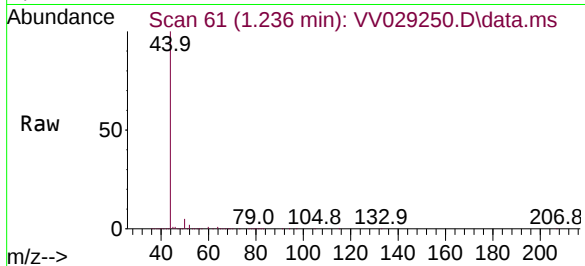




#3
Chloromethane
Concen: 1.210 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

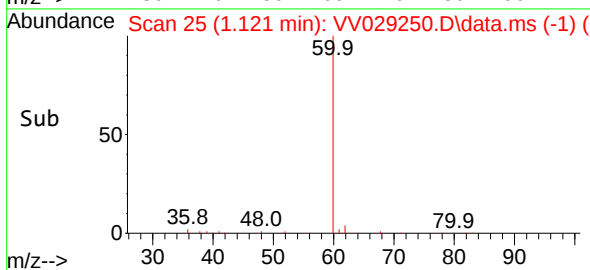
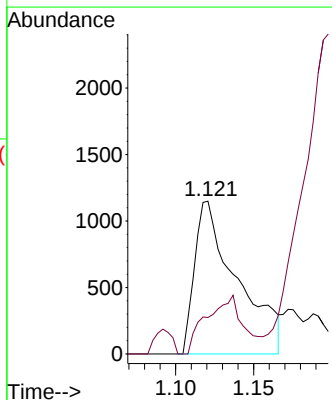
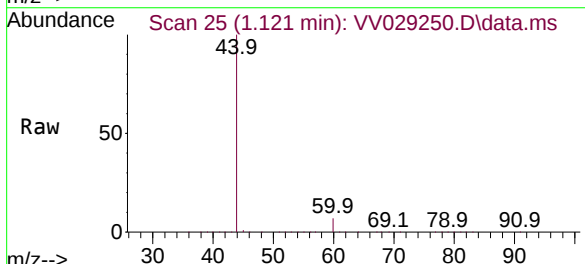
Instrument :
MSVOA_V
ClientSampleId :

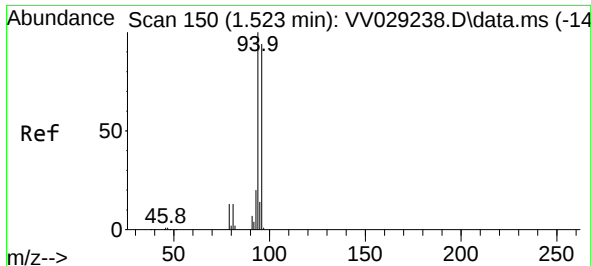
Tgt Ion: 50 Resp: 32386
Ion Ratio Lower Upper
50 100
52 36.1 23.7 43.9



#5
Vinyl chloride
Concen: 0.071 ug/L
RT: 1.121 min Scan# 25
Delta R.T. -0.190 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Tgt Ion: 62 Resp: 2182
Ion Ratio Lower Upper
62 100
64 23.9 22.8 42.4

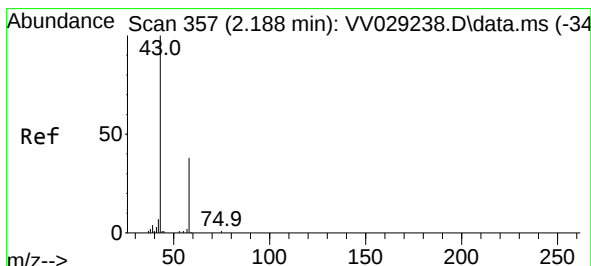
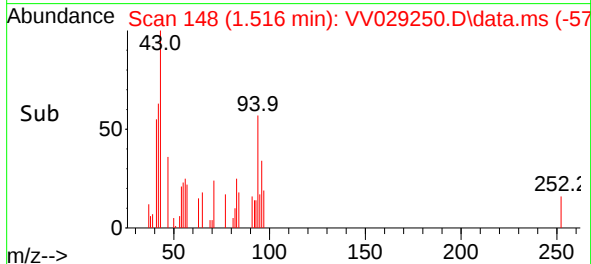
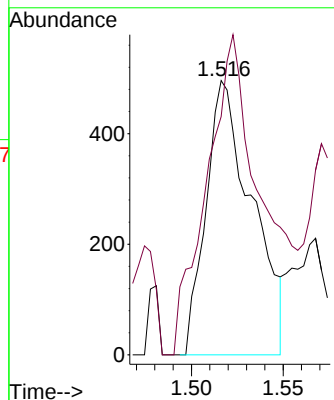
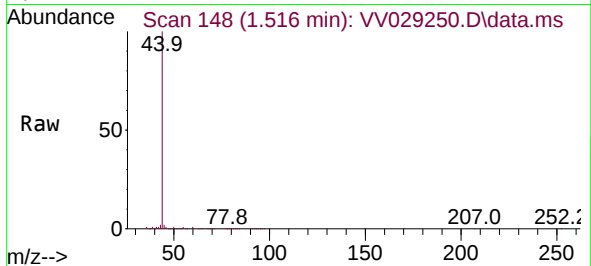




#6
Bromomethane
Concen: 0.047 ug/L
RT: 1.516 min Scan# 14
Delta R.T. -0.007 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

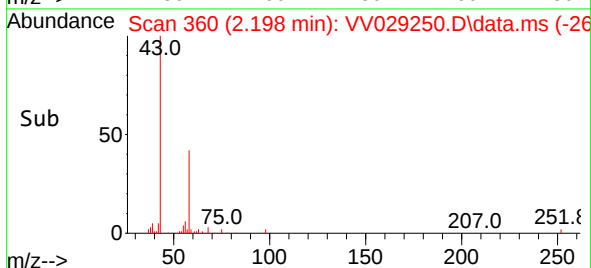
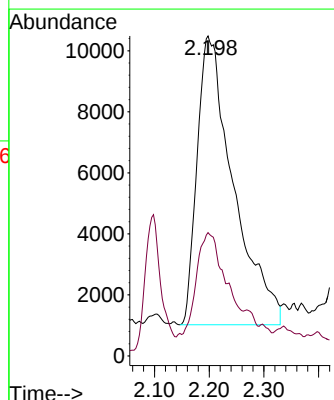
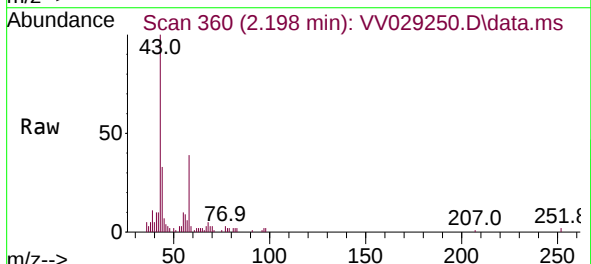
Instrument :
MSVOA_V
ClientSampleId :

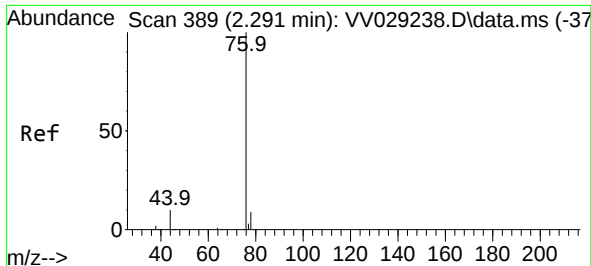
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 86.9 68.5 127.3



#13
Acetone
Concen: 17.106 ug/L
RT: 2.198 min Scan# 360
Delta R.T. 0.010 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Tgt Ion: 43 Resp: 43450
Ion Ratio Lower Upper
43 100
58 29.2 0.0 56.6

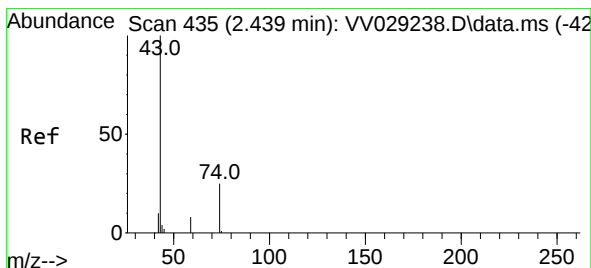
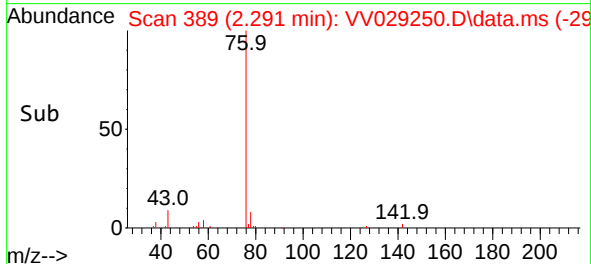
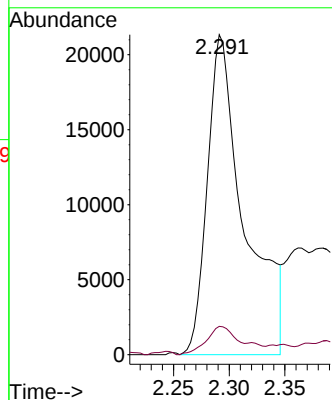
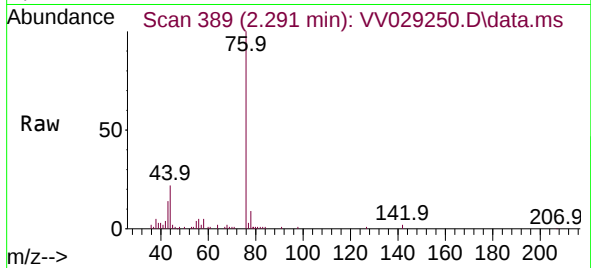




#14
Carbon disulfide
Concen: 0.590 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

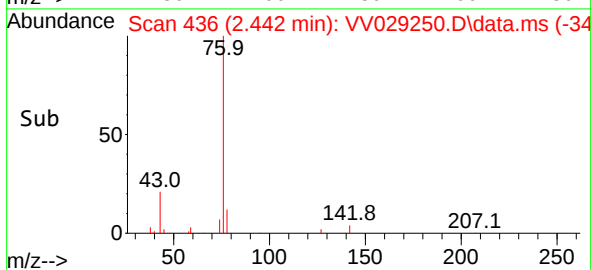
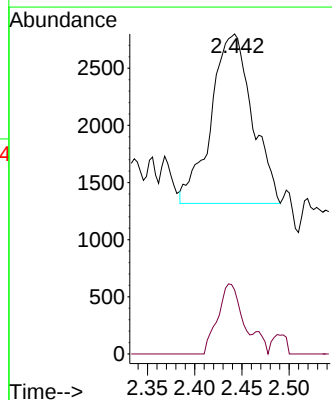
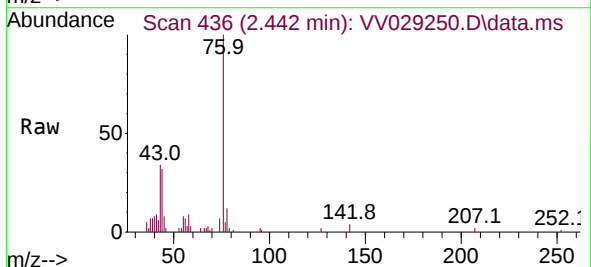
Instrument :
MSVOA_V
ClientSampleId :

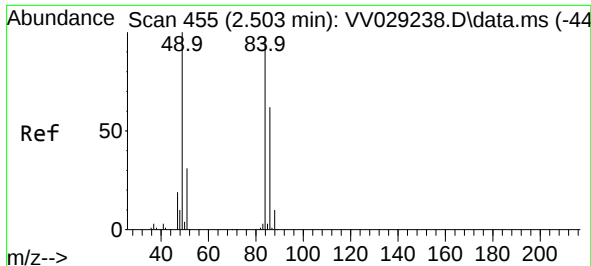
Tgt Ion: 76 Resp: 49076
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#15
Methyl Acetate
Concen: 0.727 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

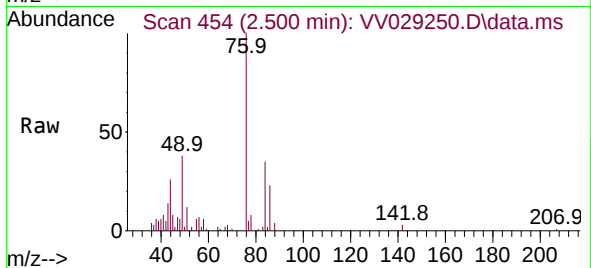
Tgt Ion: 43 Resp: 4481
Ion Ratio Lower Upper
43 100
74 23.4 24.6 37.0#



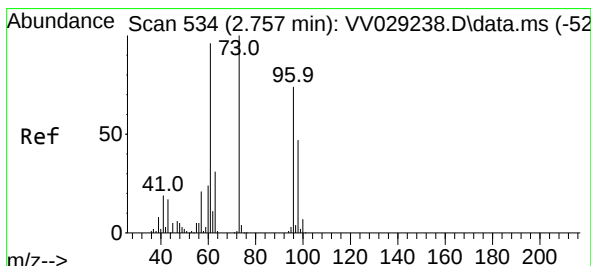
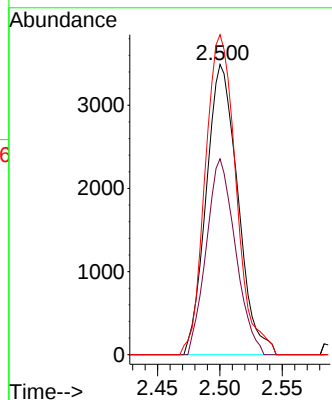
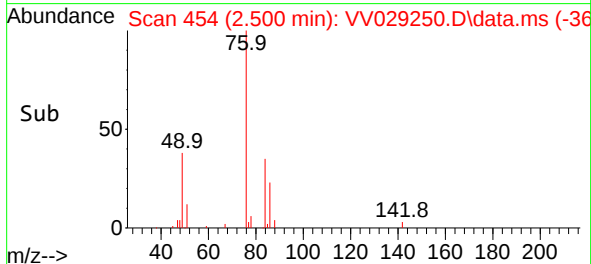


#16
Methylene chloride
Concen: 0.204 ug/L
RT: 2.500 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

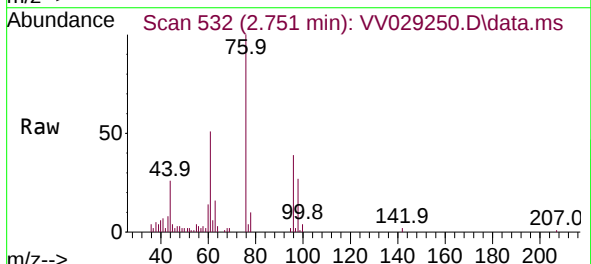
Instrument :
MSVOA_V
ClientSampleId :



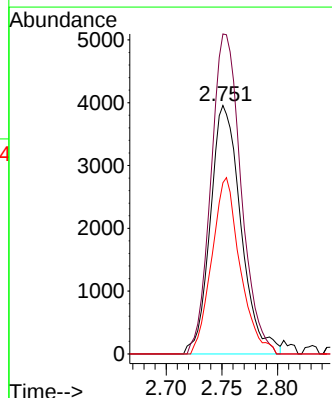
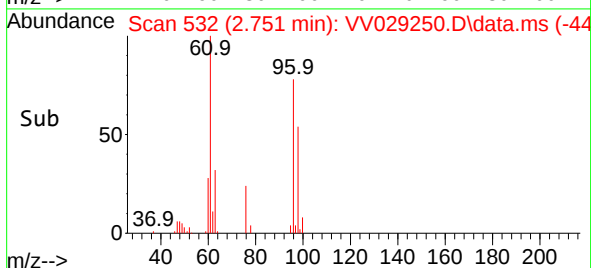
Tgt Ion: 84 Resp: 6166
Ion Ratio Lower Upper
84 100
86 67.5 45.8 85.0
49 110.3 75.5 140.1

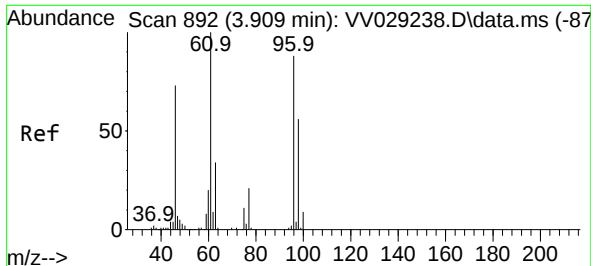


#18
trans-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.007 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11



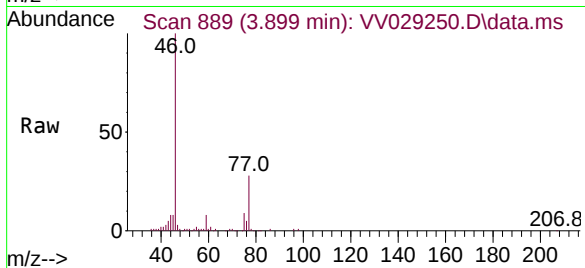
Tgt Ion: 96 Resp: 7554
Ion Ratio Lower Upper
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61 128.8 91.8 170.6
98 68.9 46.4 86.2



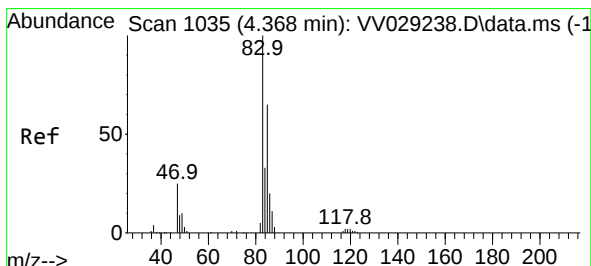
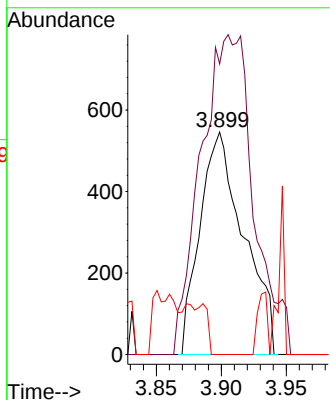
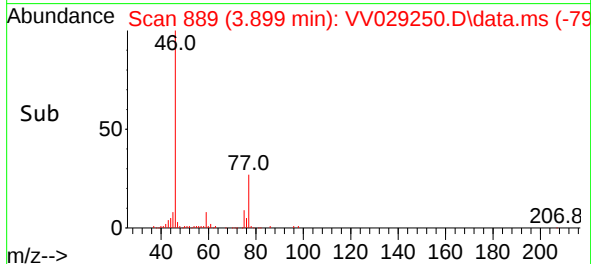


#22
 cis-1,2-Dichloroethene
 Concen: 0.046 ug/L
 RT: 3.899 min Scan# 892
 Delta R.T. -0.010 min
 Lab File: VV029250.D
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Instrument :
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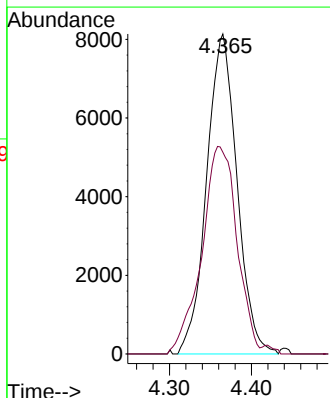
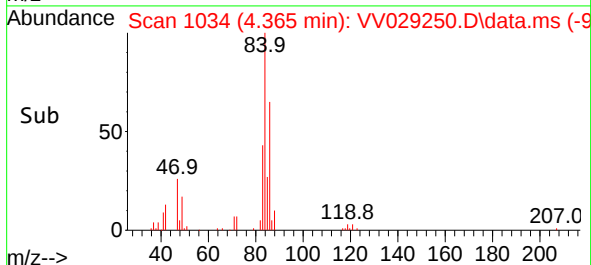
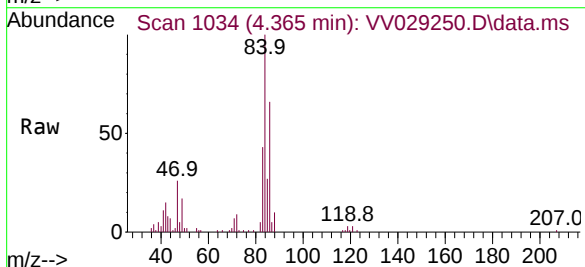


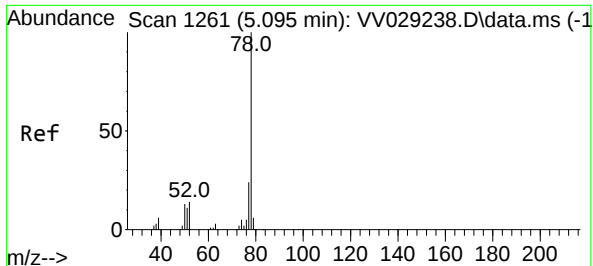
Tgt Ion: 96 Resp: 1283
 Ion Ratio Lower Upper
 96 100
 61 130.6 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.450 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VV029250.D
 Acq: 21 Nov 2022 02:11

Tgt Ion: 83 Resp: 20960
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.7 81.1

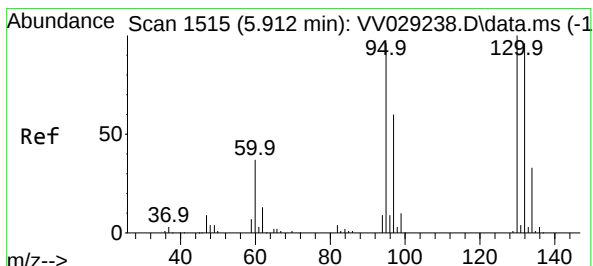
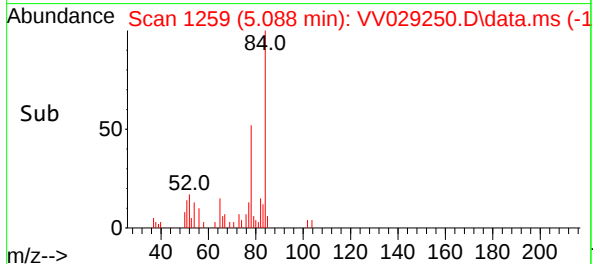
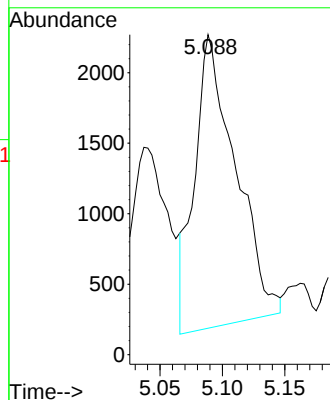
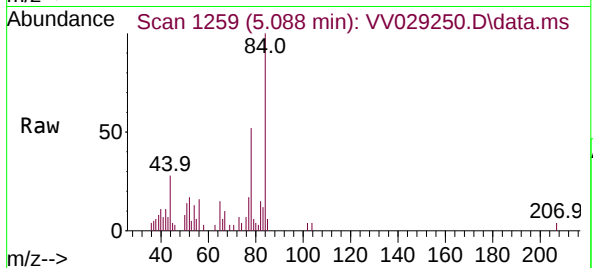




#33
Benzene
Concen: 0.045 ug/L
RT: 5.088 min Scan# 11
Delta R.T. -0.007 min
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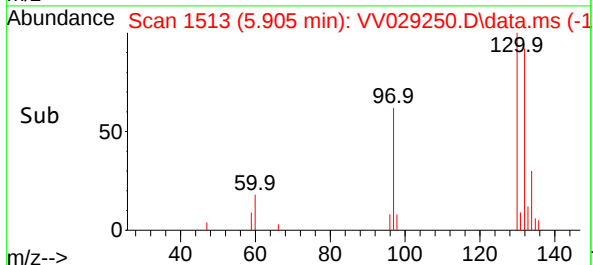
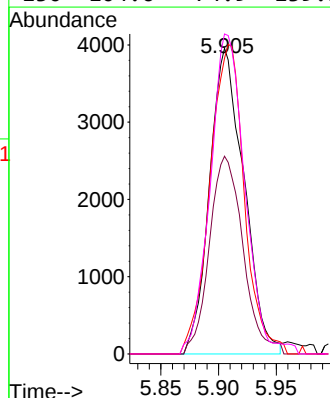
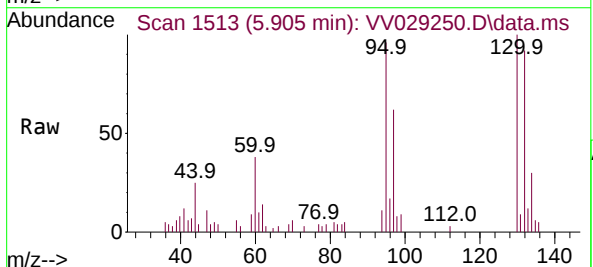
Tgt Ion: 78 Resp: 4716

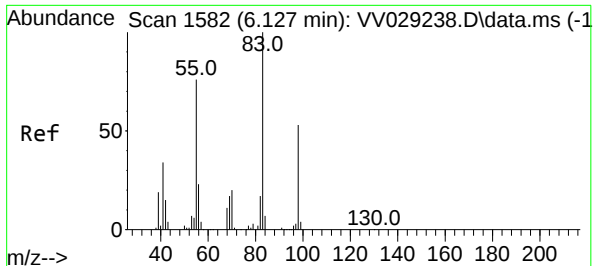


#34
Trichloroethene
Concen: 0.306 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.007 min
Lab File: VV029250.D
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Tgt Ion: 95 Resp: 8197

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.6	84.8
132	96.7	69.1	128.3
130	104.6	74.9	139.1

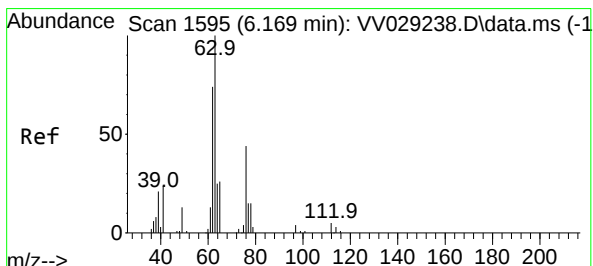
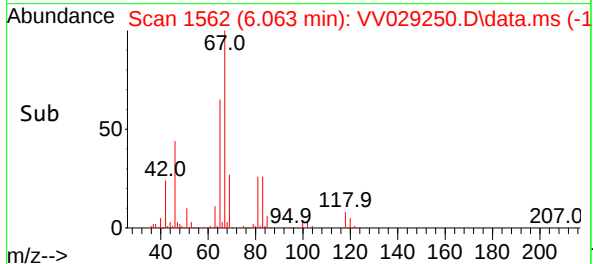
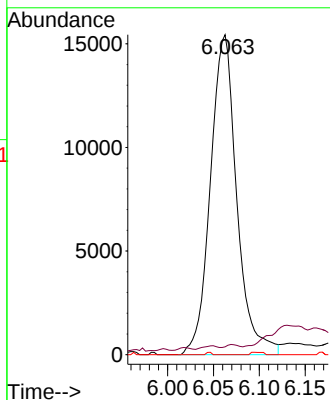
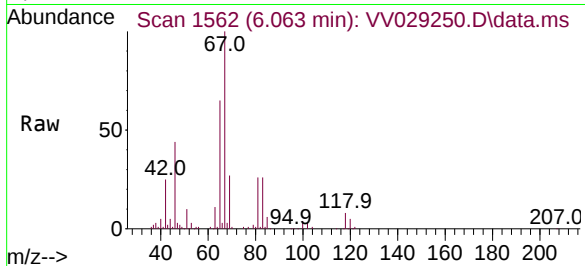




#35
Methylcyclohexane
Concen: 0.657 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.064 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

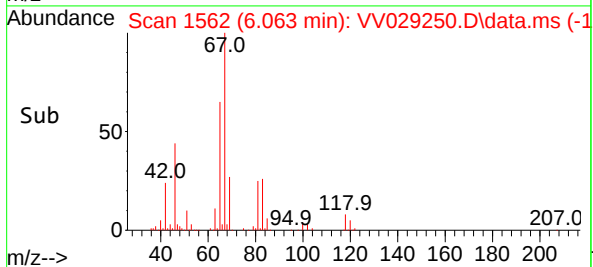
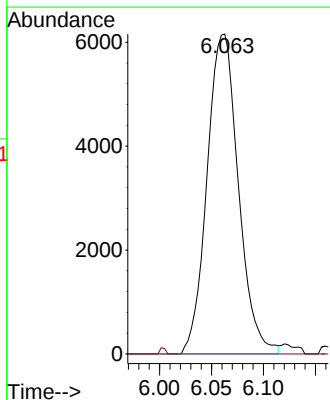
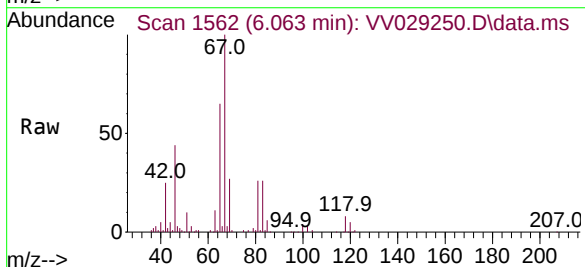
Instrument :
MSVOA_V
ClientSampleId :

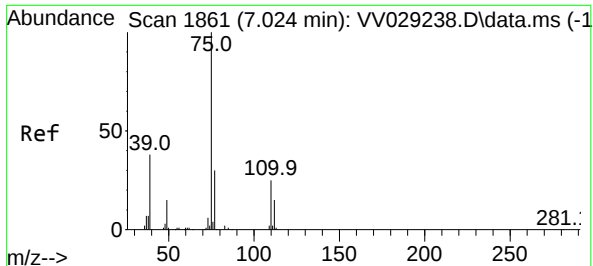
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	55.8	83.6#
98	0.4	38.2	57.2#



#37
1,2-Dichloropropane
Concen: 0.536 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.106 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	4.0	6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.979 min Scan# 1847

Delta R.T. -0.045 min

Lab File: VV029250.D

Acq: 21 Nov 2022 02:11

Instrument :

MSVOA_V

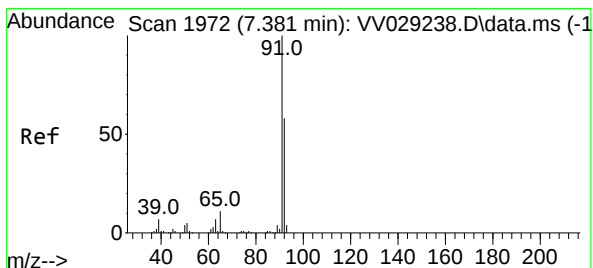
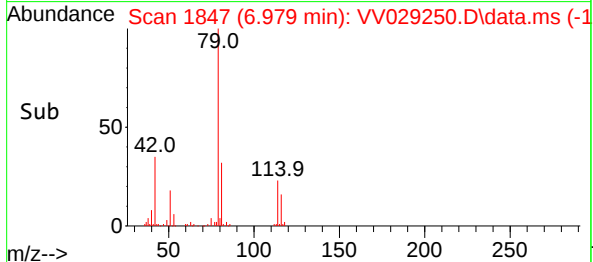
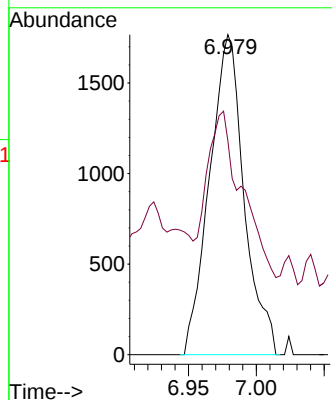
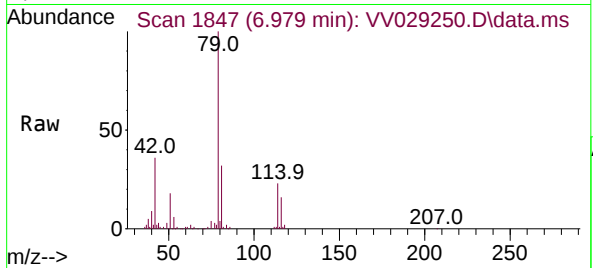
ClientSampleId :

Tgt Ion: 75 Resp: 3126

Ion Ratio Lower Upper

75 100

77 66.8 21.8 40.6#



#42

Toluene

Concen: 1.013 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VV029250.D

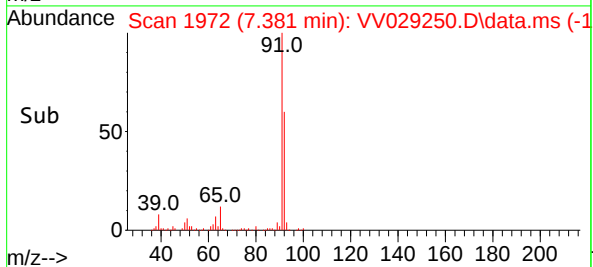
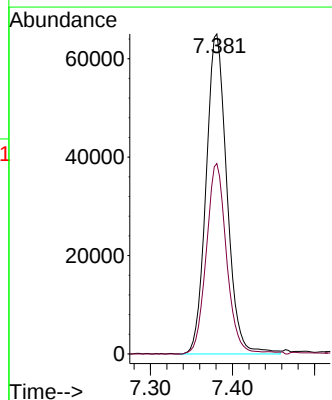
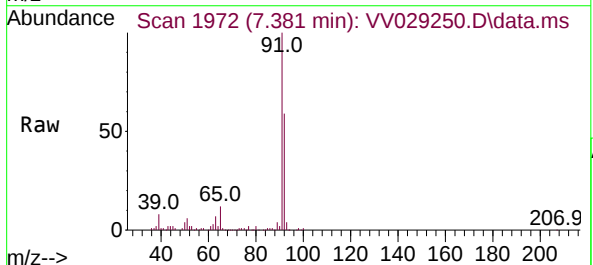
Acq: 21 Nov 2022 02:11

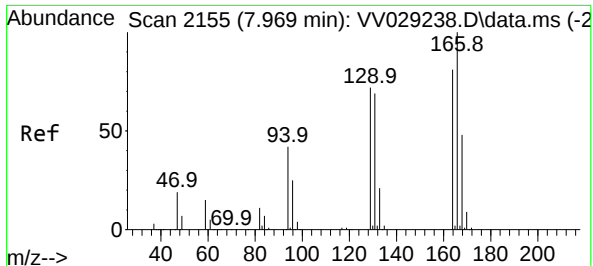
Tgt Ion: 91 Resp: 114546

Ion Ratio Lower Upper

91 100

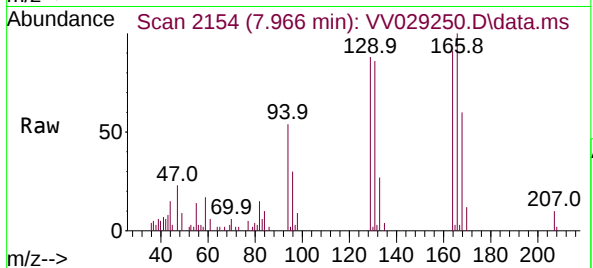
92 59.5 40.7 75.5



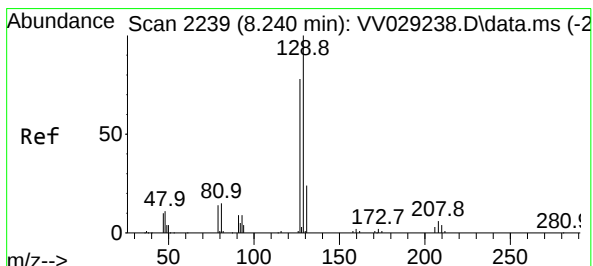
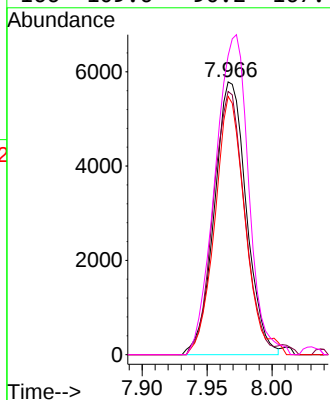
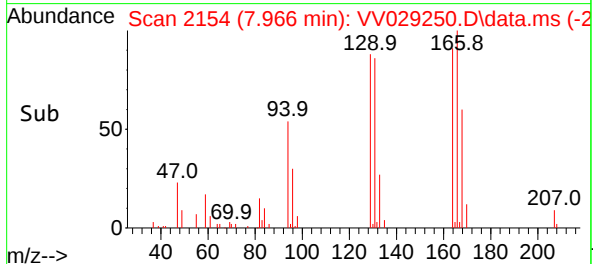


#47
Tetrachloroethene
Concen: 0.461 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

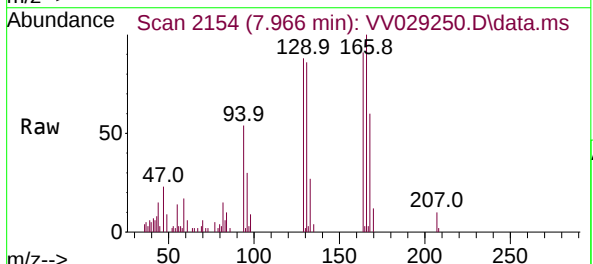
Instrument :
MSVOA_V
ClientSampleId :



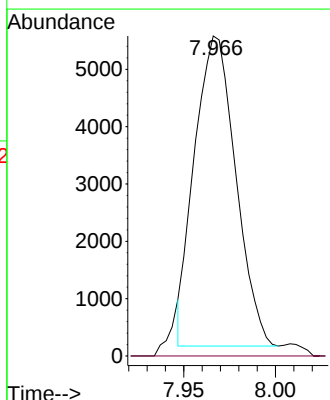
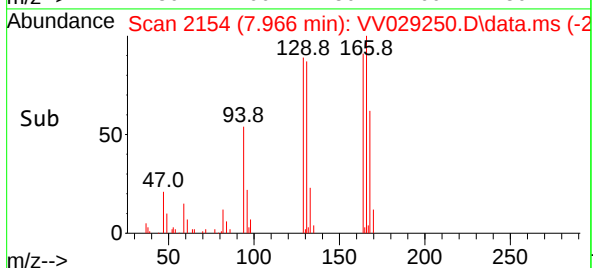
Tgt Ion:164 Resp: 9889
Ion Ratio Lower Upper
164 100
129 96.5 63.9 118.7
131 94.7 61.8 114.8
166 109.6 90.2 167.4

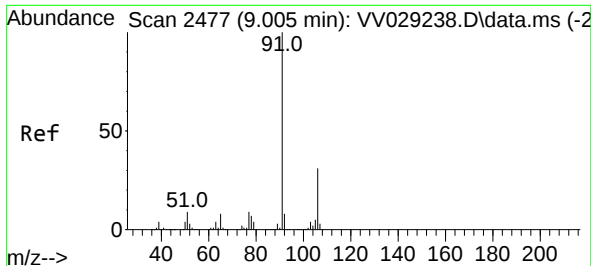


#49
Dibromochloromethane
Concen: 0.441 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.273 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11



Tgt Ion:129 Resp: 8420
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#

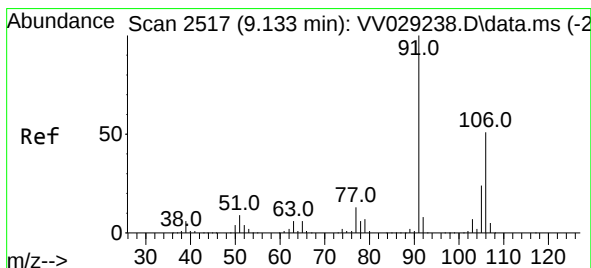
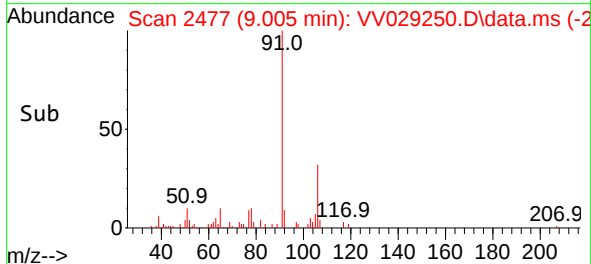
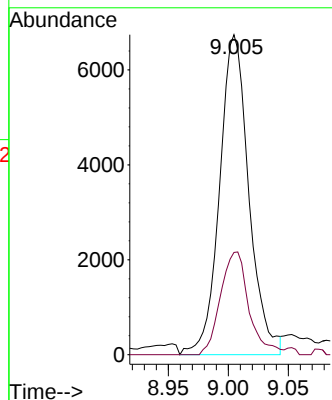
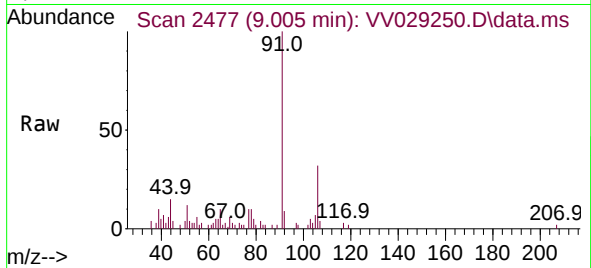




#52
Ethylbenzene
Concen: 0.097 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. -0.000 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

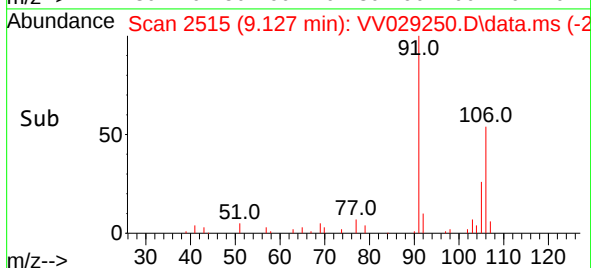
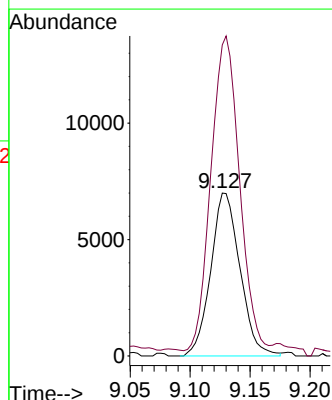
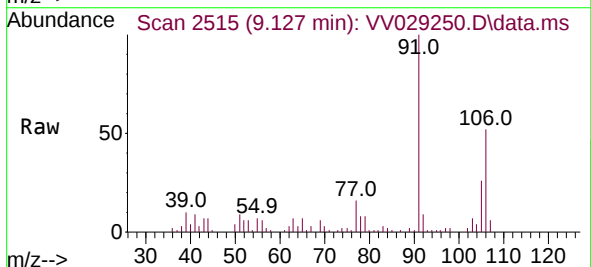
Instrument :
MSVOA_V
ClientSampleId :

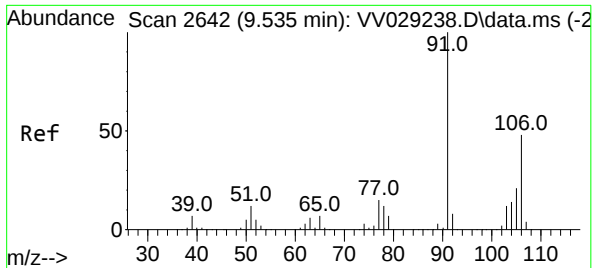
Tgt Ion: 91 Resp: 11458
Ion Ratio Lower Upper
91 100
106 31.9 21.6 40.2



#53
m,p-Xylene
Concen: 0.253 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.007 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Tgt Ion:106 Resp: 11859
Ion Ratio Lower Upper
106 100
91 191.0 139.1 258.3

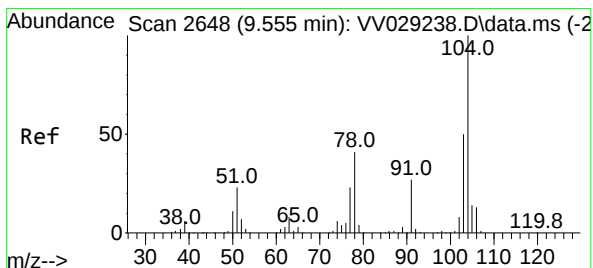
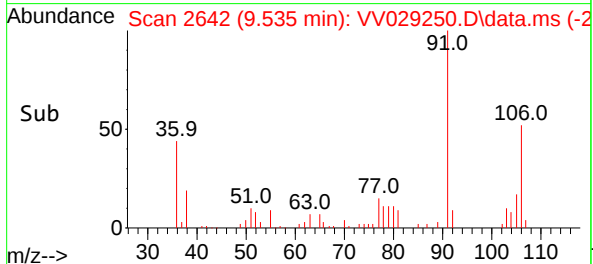
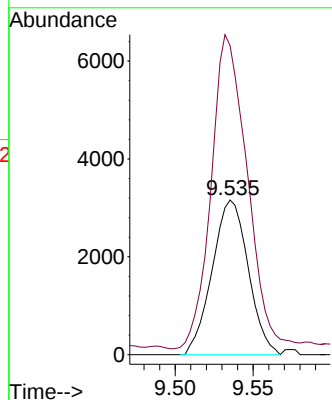
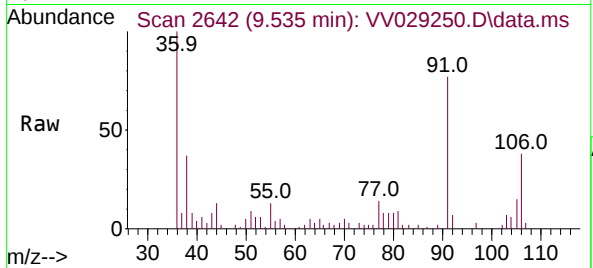




#54
o-Xylene
Concen: 0.114 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

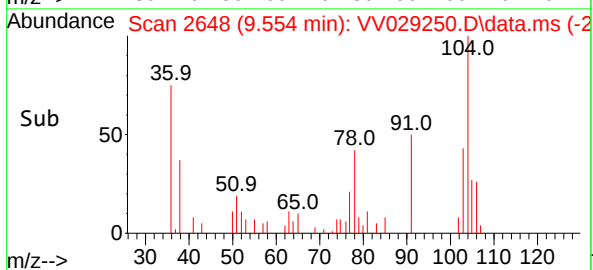
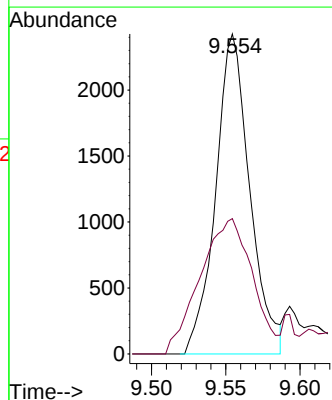
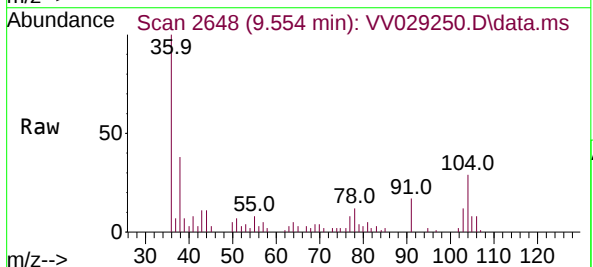
Instrument :
MSVOA_V
ClientSampleId :

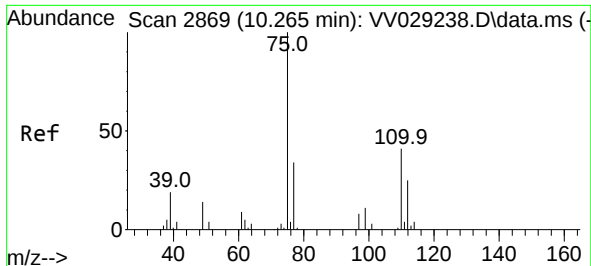
Tgt Ion:106 Resp: 5076
Ion Ratio Lower Upper
106 100
91 199.8 145.7 270.7



#55
Styrene
Concen: 0.052 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. -0.000 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Tgt Ion:104 Resp: 3883
Ion Ratio Lower Upper
104 100
78 42.3 30.1 55.9

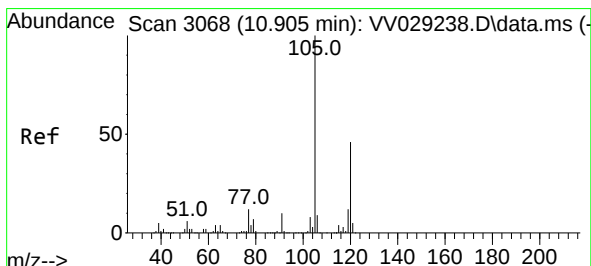
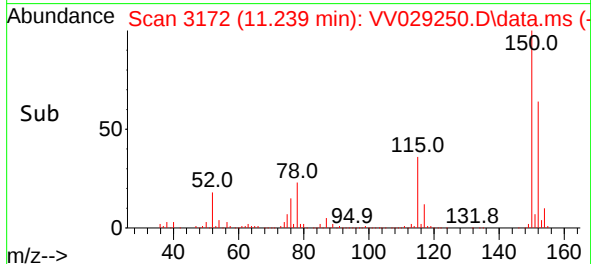
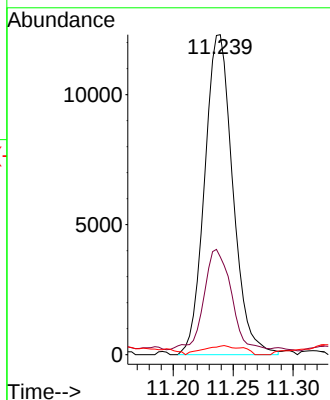
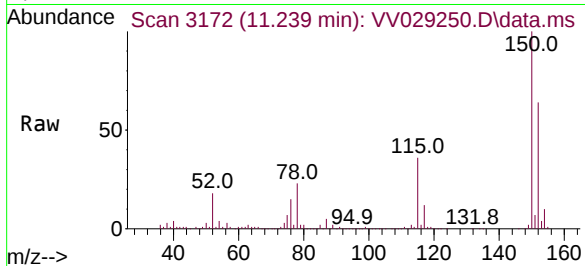




#61
1,2,3-Trichloropropane
Concen: 1.713 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

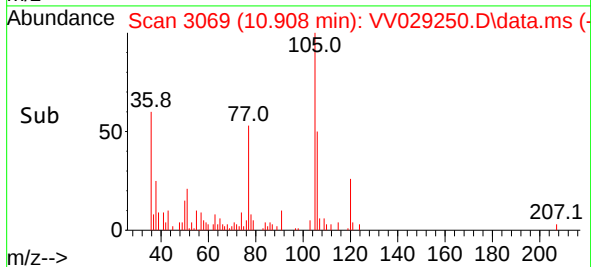
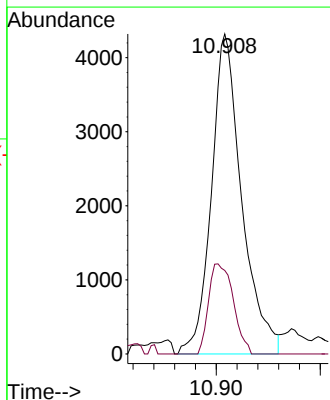
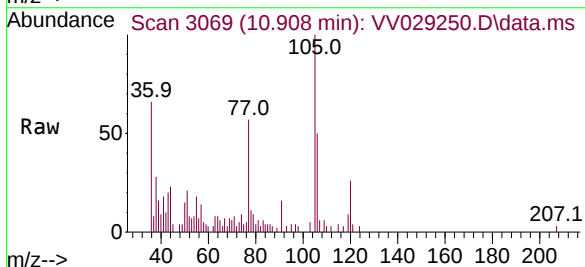
Instrument :
MSVOA_V
ClientSampleId :

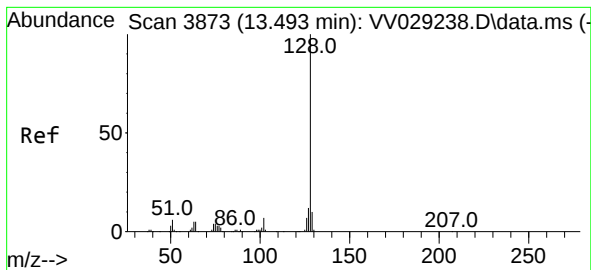
Tgt Ion: 75 Resp: 20124
Ion Ratio Lower Upper
75 100
77 30.1 26.2 39.2
110 3.8 32.6 48.8#



#63
1,2,4-Trimethylbenzene
Concen: 0.092 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

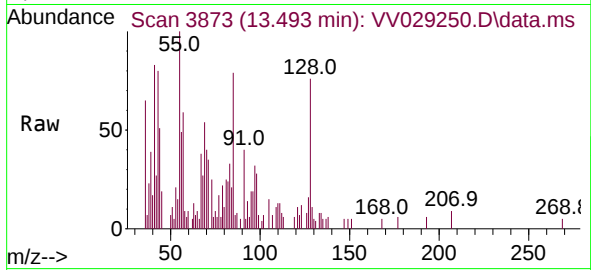
Tgt Ion: 105 Resp: 8755
Ion Ratio Lower Upper
105 100
120 22.8 37.8 56.8#





#71
Naphthalene
Concen: 0.077 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029250.D
Acq: 21 Nov 2022 02:11

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 3048
Ion Ratio Lower Upper
128 100
129 14.2 8.8 13.2#
127 18.0 9.8 14.8#

