

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112424\
 Data File : VV038325.D
 Acq On : 24 Nov 2024 12:28
 Operator : SY/MD
 Sample : P4884-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 25 00:21:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	239283	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	251851	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	110793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	68202	3.719	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.529	69	64288	4.333	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.053	65	31447	3.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	3.802	46	150259	40.954	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.900%
24) Chloroform-d	4.243	84	156611	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.937	65	73903	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	4.953	84	275117	4.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	5.982	67	92268	4.607	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.239	98	223167	3.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	7.558	79	29902	4.015	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.024	63	118653	40.989	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.980%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	74198	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	11.554	152	94045	4.982	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	2023889	64.381	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	31017	1.729	ug/L	95
12) 1,1-Dichloroethene	2.063	96	23257	1.361	ug/L #	14
13) Acetone	1.998	43	344403	126.920	ug/L	41
16) Methylene chloride	2.442	84	122817	6.302	ug/L	95
17) Methyl tert-butyl Ether	2.696	73	282725	7.317	ug/L	100
19) 1,1-Dichloroethane	3.104	63	201844	6.176	ug/L	100
22) cis-1,2-Dichloroethene	3.812	96	24156	1.298	ug/L	96
25) Chloroform	4.272	83	13369	0.382	ug/L	98
27) 1,2-Dichloroethane	5.050	62	18156	0.954	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	107673	3.565	ug/L	97
34) Trichloroethene	5.828	95	89725	4.653	ug/L	98
35) Methylcyclohexane	5.985	83	21388	0.784	ug/L #	20
42) Toluene	7.317	91	70613	0.942	ug/L	97
47) Tetrachloroethene	7.895	164	160675	10.369	ug/L	97
49) Dibromochloromethane	7.895	129	145318	9.275	ug/L #	11
51) Chlorobenzene	8.812	112	47697	0.924	ug/L	96
52) Ethylbenzene	8.950	91	24285	0.306	ug/L	93
53) m,p-Xylene	9.069	106	15144	0.505	ug/L	98

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QLast Update : Mon Nov 25 00:21:44 2024
Response via : Initial Calibration

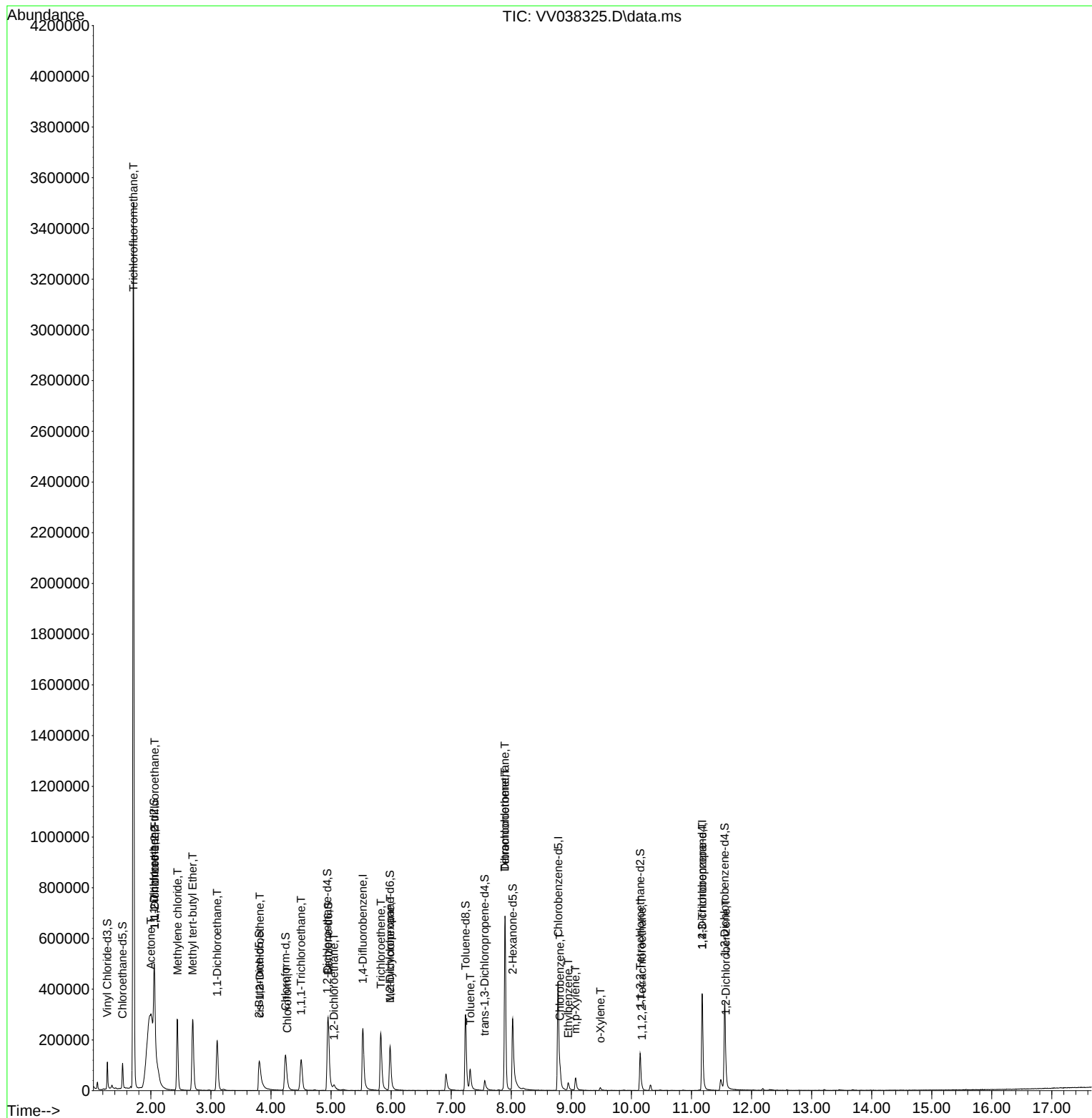
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.484	106	3374	0.116	ug/L	78
57) 1,1,2,2-Tetrachloroethane	10.175	83	6363	0.379	ug/L #	92
61) 1,2,3-Trichloropropane	11.178	75	13067	1.378	ug/L #	66
67) 1,2-Dichlorobenzene	11.574	146	16211	0.511	ug/L	97

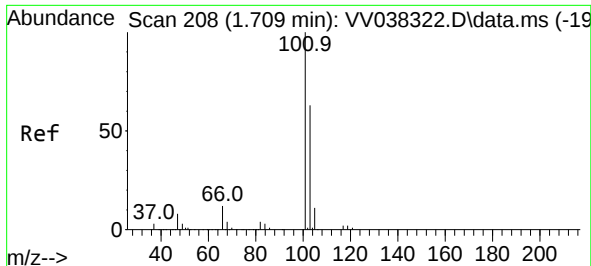
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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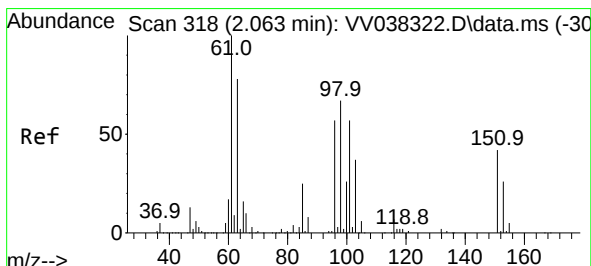
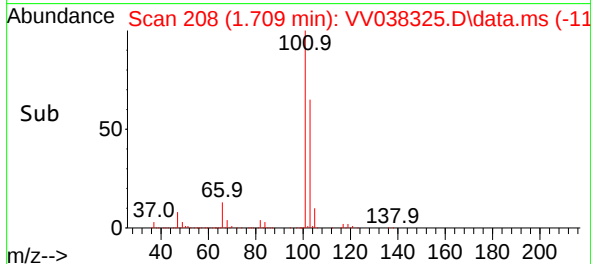
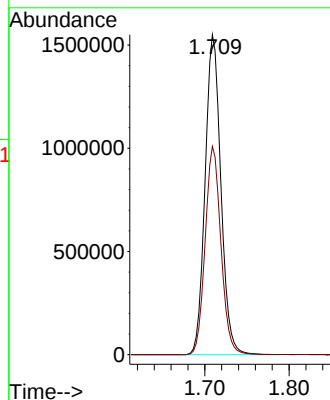
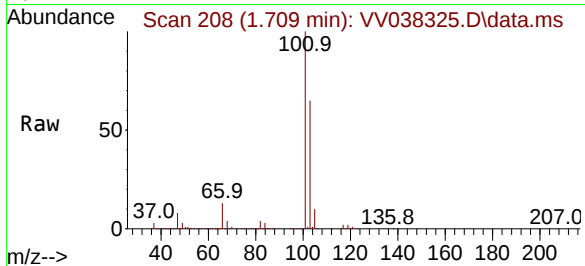




#9
 Trichlorofluoromethane
 Concen: 64.381 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038325.D
 Acq: 24 Nov 2024 12:28

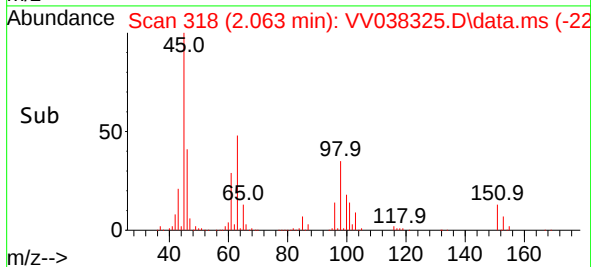
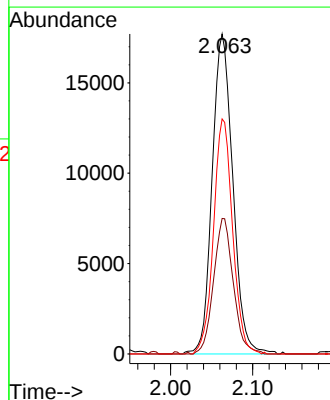
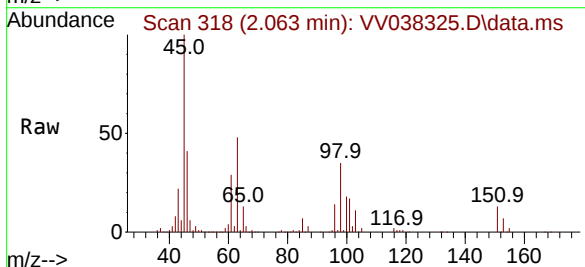
Instrument :
 MSVOA_V
 ClientSampleId :

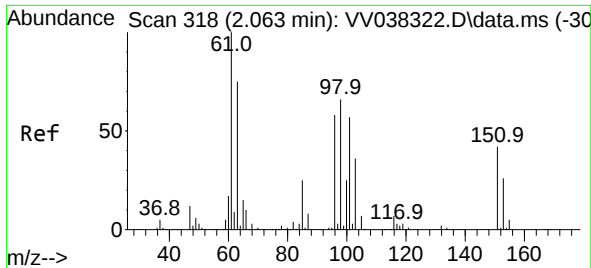
Tgt Ion:101 Resp: 2023889
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.729 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038325.D
 Acq: 24 Nov 2024 12:28

Tgt Ion:101 Resp: 31017
 Ion Ratio Lower Upper
 101 100
 85 40.5 33.4 50.0
 151 68.0 58.8 88.2





#12

1,1-Dichloroethene

Concen: 1.361 ug/L

RT: 2.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

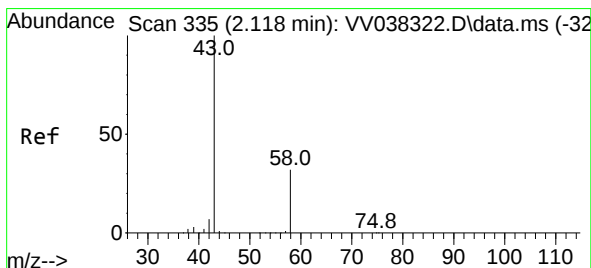
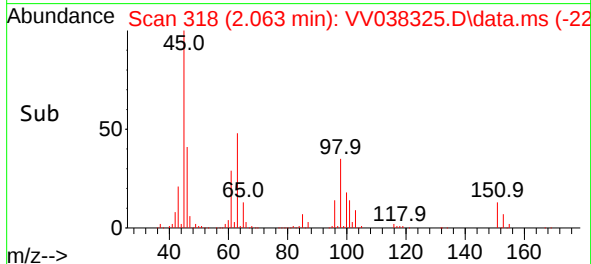
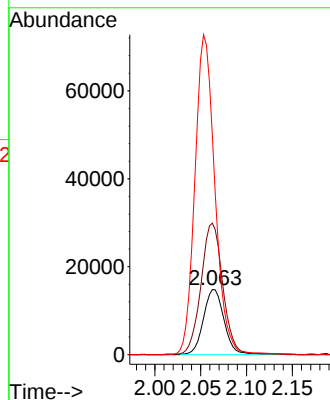
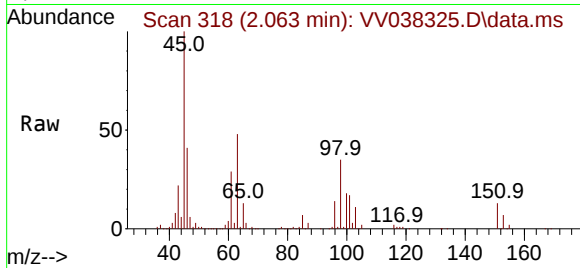
Tgt Ion: 96 Resp: 23257

Ion Ratio Lower Upper

96 100

61 201.9 115.7 214.9

63 335.9 101.1 187.7#



#13

Acetone

Concen: 126.920 ug/L

RT: 1.998 min Scan# 298

Delta R.T. -0.119 min

Lab File: VV038325.D

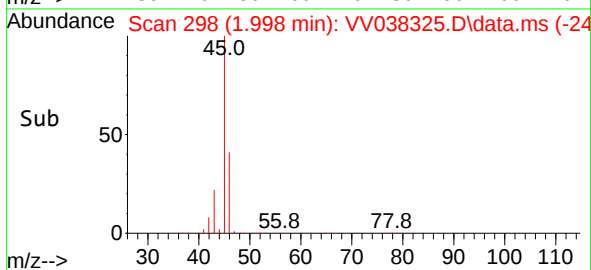
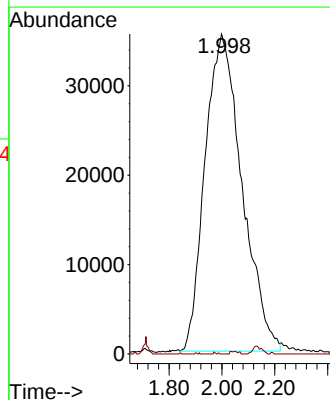
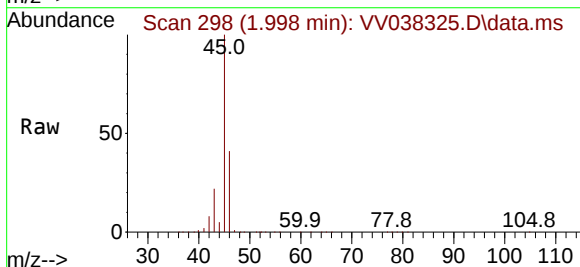
Acq: 24 Nov 2024 12:28

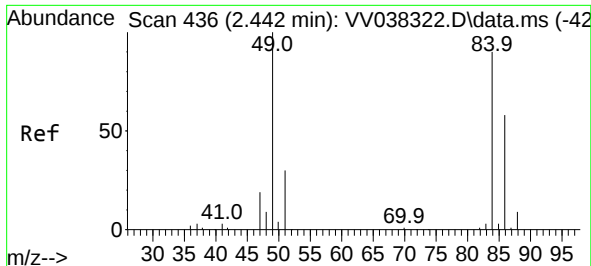
Tgt Ion: 43 Resp: 344403

Ion Ratio Lower Upper

43 100

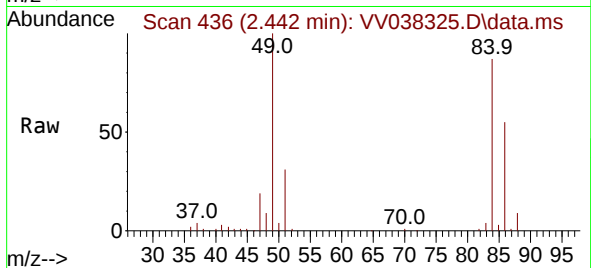
58 0.0 0.0 67.2





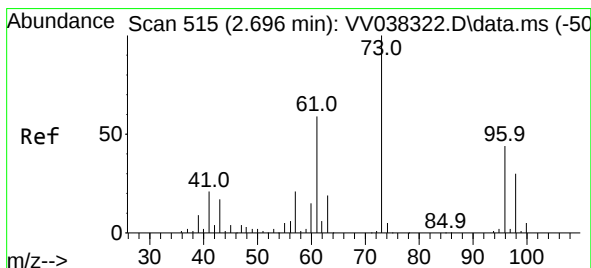
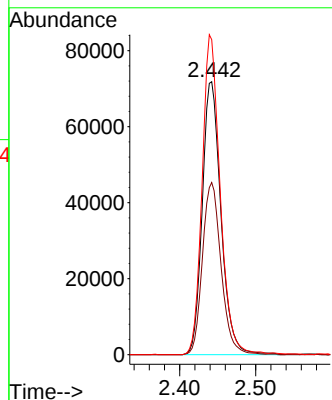
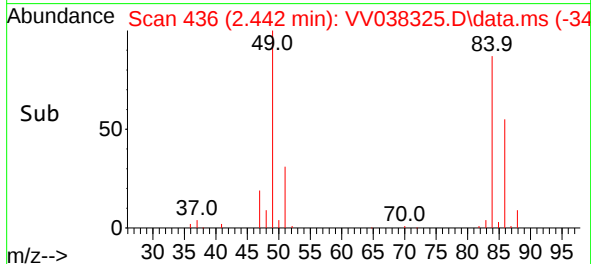
#16
Methylene chloride
Concen: 6.302 ug/L
RT: 2.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 122817

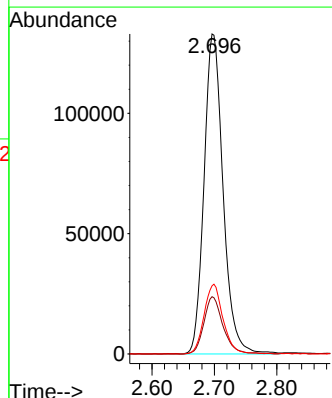
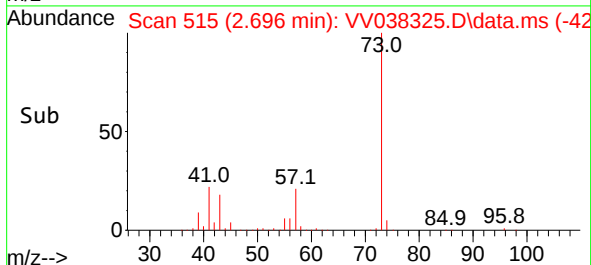
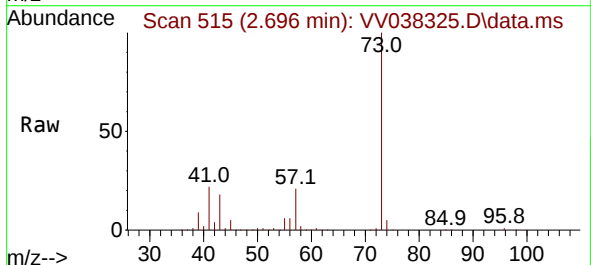
Ion	Ratio	Lower	Upper
84	100		
86	63.1	44.2	82.2
49	115.4	74.9	139.1

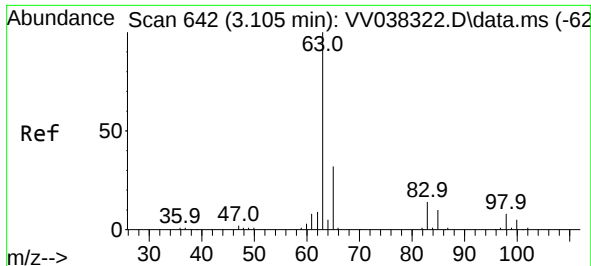


#17
Methyl tert-butyl Ether
Concen: 7.317 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion: 73 Resp: 282725

Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.2	21.2
57	21.7	17.6	26.4





#19

1,1-Dichloroethane

Concen: 6.176 ug/L

RT: 3.104 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

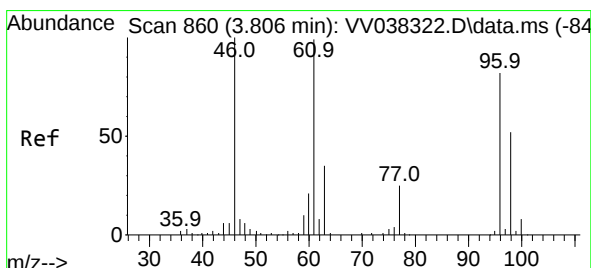
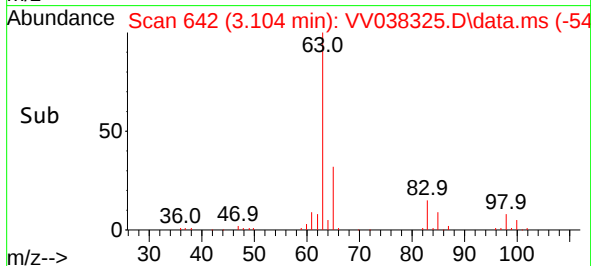
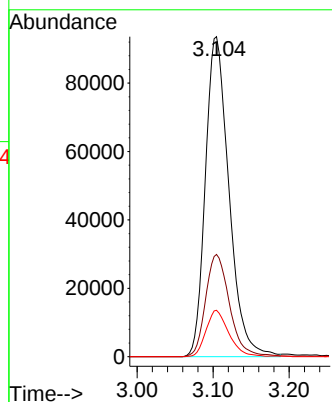
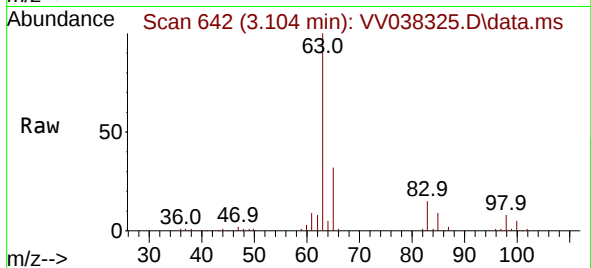
Tgt Ion: 63 Resp: 201844

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 14.5 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.298 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.006 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

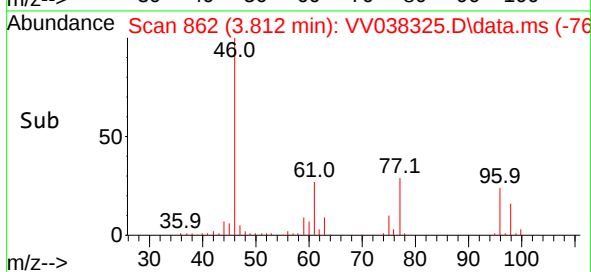
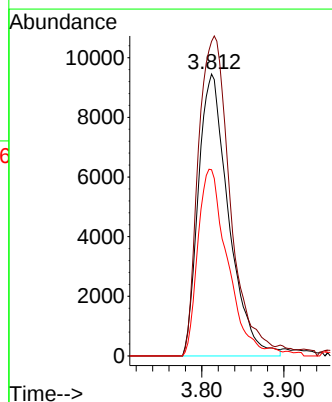
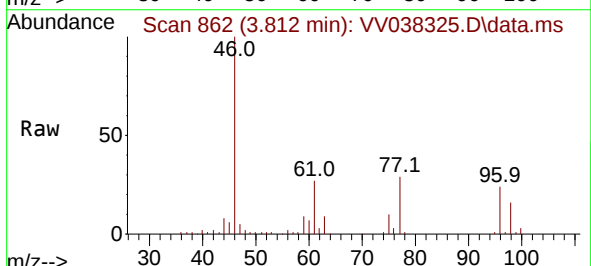
Tgt Ion: 96 Resp: 24156

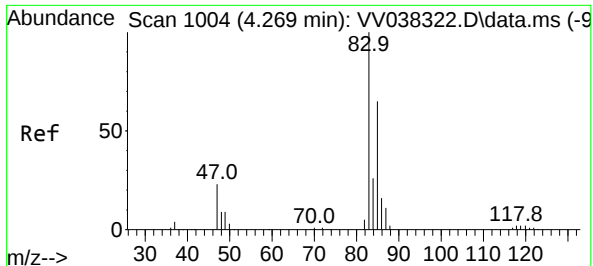
Ion Ratio Lower Upper

96 100

61 111.6 82.7 153.5

98 66.0 46.3 85.9





#25

Chloroform

Concen: 0.382 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

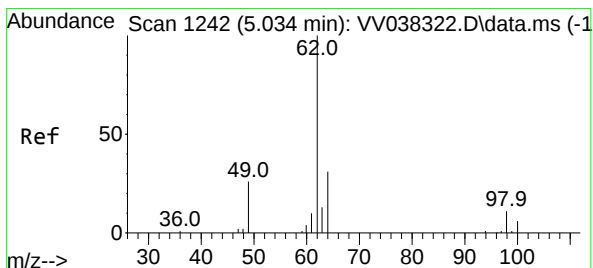
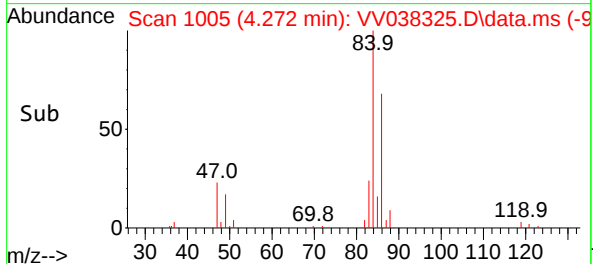
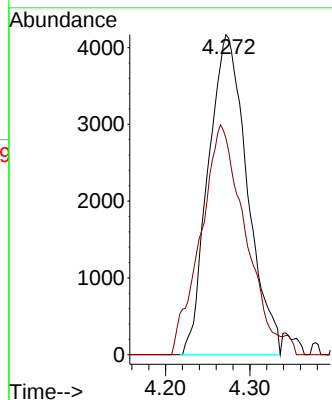
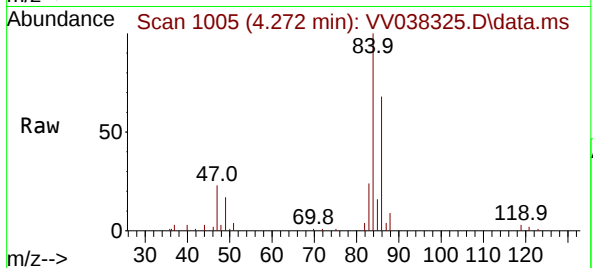
ClientSampleId :

Tgt Ion: 83 Resp: 13369

Ion Ratio Lower Upper

83 100

85 67.6 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.954 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.016 min

Lab File: VV038325.D

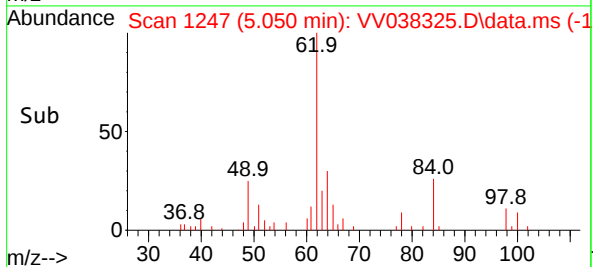
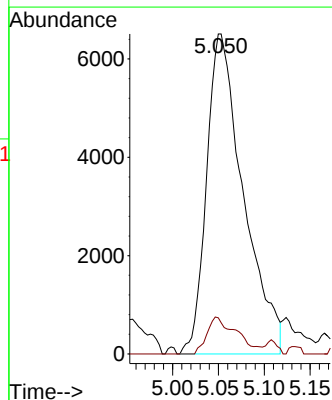
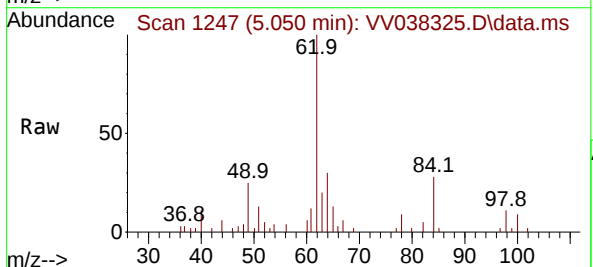
Acq: 24 Nov 2024 12:28

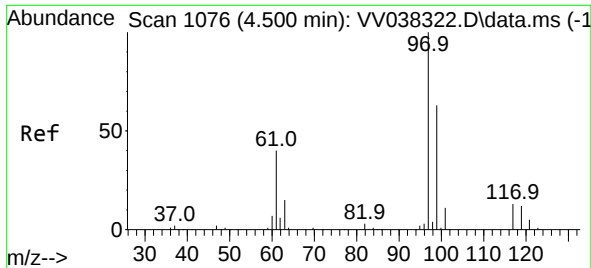
Tgt Ion: 62 Resp: 18156

Ion Ratio Lower Upper

62 100

98 11.3 8.2 12.4

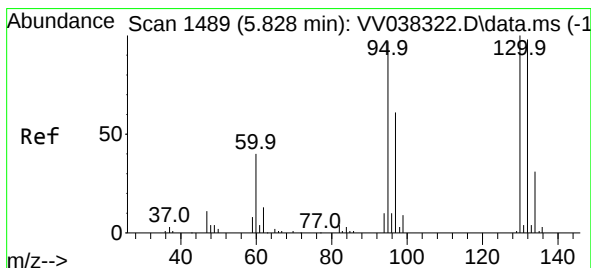
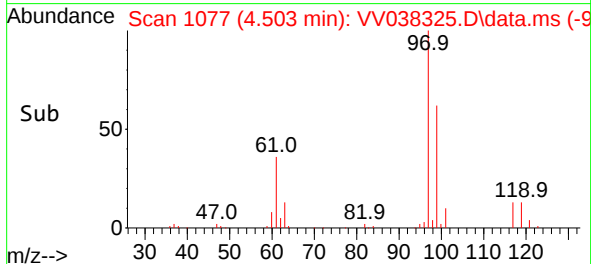
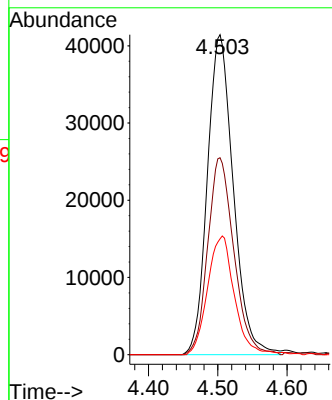
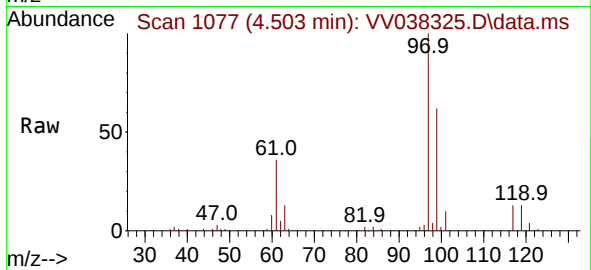




#29
1,1,1-Trichloroethane
Concen: 3.565 ug/L
RT: 4.503 min Scan# 1076
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

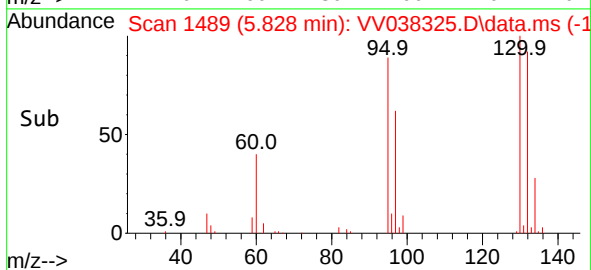
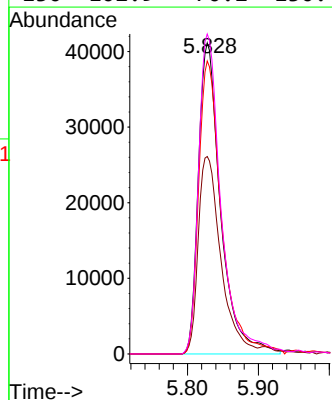
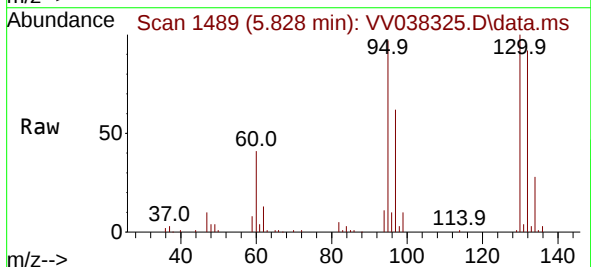
Instrument :
MSVOA_V
ClientSampleId :

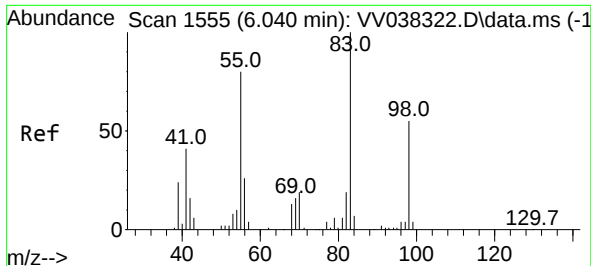
Tgt Ion: 97 Resp: 107673
Ion Ratio Lower Upper
97 100
99 62.0 51.8 77.8
61 38.2 32.2 48.2



#34
Trichloroethene
Concen: 4.653 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion: 95 Resp: 89725
Ion Ratio Lower Upper
95 100
97 63.5 44.8 83.2
132 94.2 68.3 126.8
130 102.9 70.2 130.4





#35

Methylcyclohexane

Concen: 0.784 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

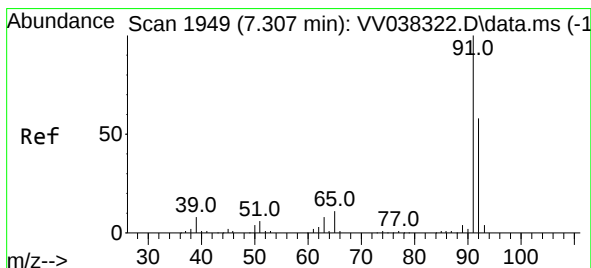
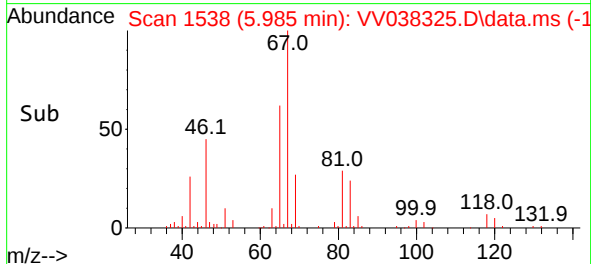
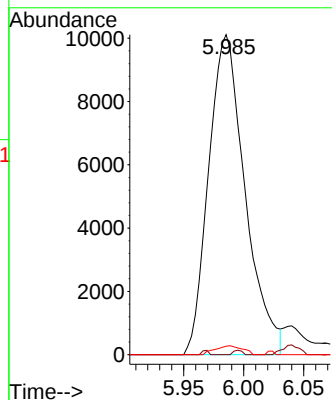
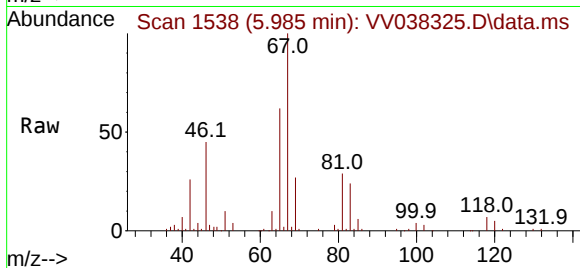
Tgt Ion: 83 Resp: 21388

Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

98 2.1 39.0 58.4#



#42

Toluene

Concen: 0.942 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.009 min

Lab File: VV038325.D

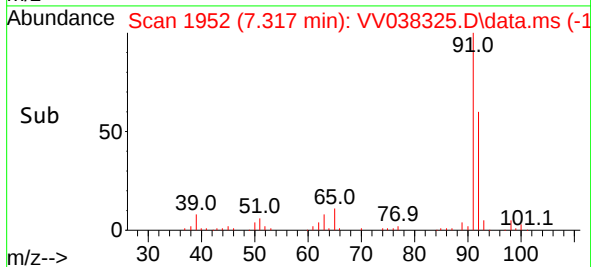
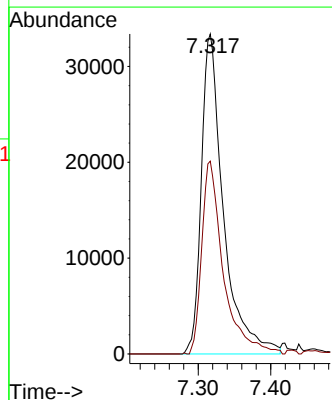
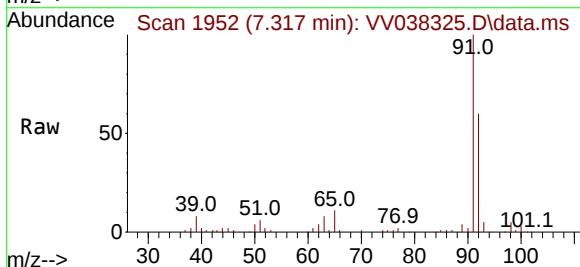
Acq: 24 Nov 2024 12:28

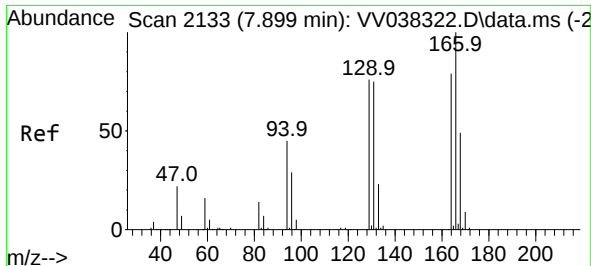
Tgt Ion: 91 Resp: 70613

Ion Ratio Lower Upper

91 100

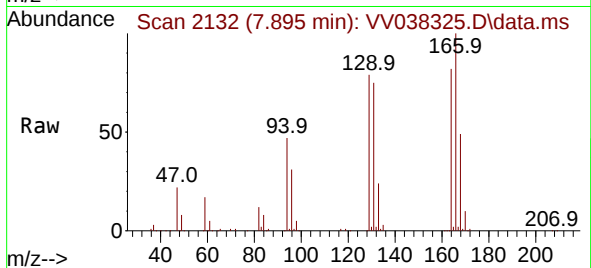
92 60.2 40.8 75.8



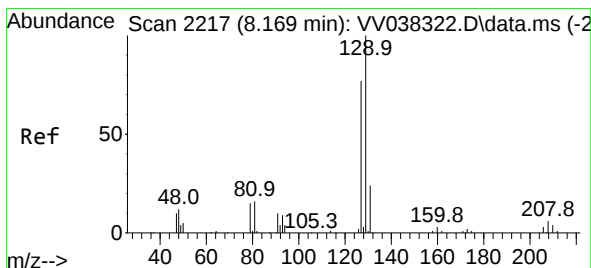
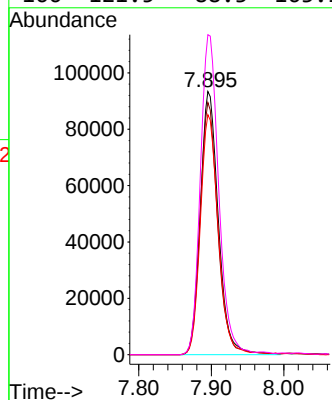
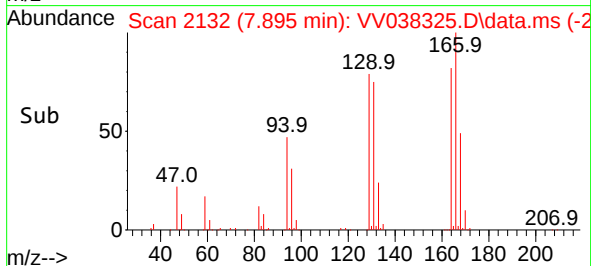


#47
Tetrachloroethene
Concen: 10.369 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :

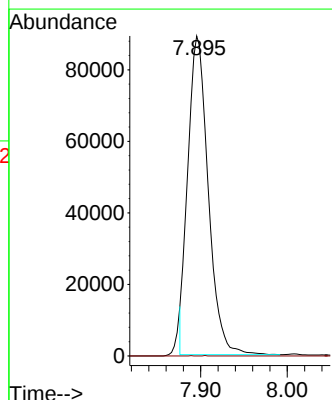
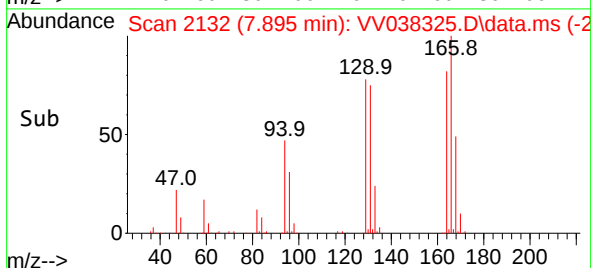
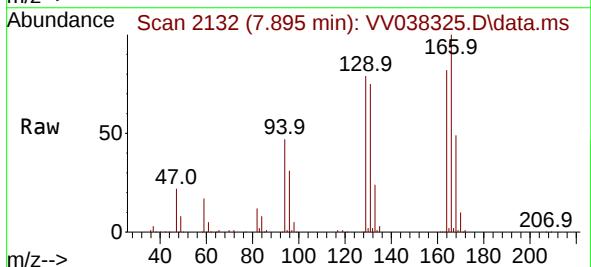


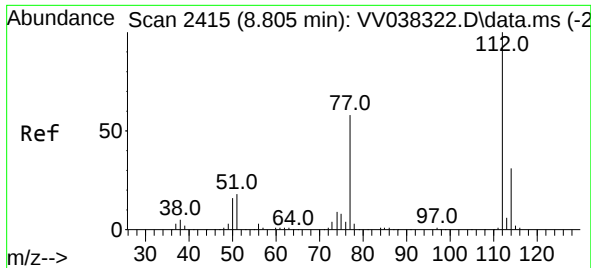
Tgt Ion:164 Resp: 160675
Ion Ratio Lower Upper
164 100
129 95.8 68.5 127.1
131 91.2 64.8 120.4
166 121.5 88.3 163.9



#49
Dibromochloromethane
Concen: 9.275 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion:129 Resp: 145318
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

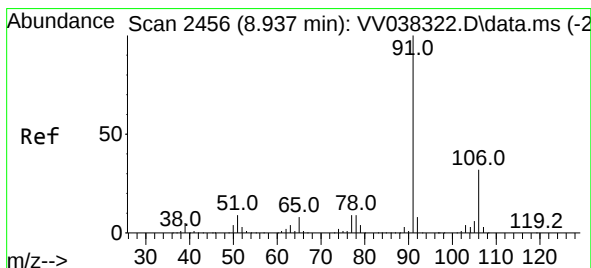
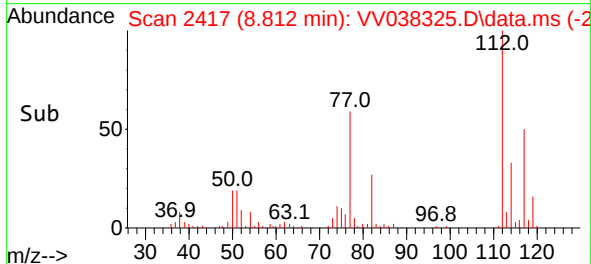
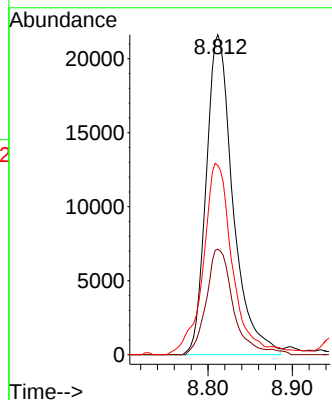
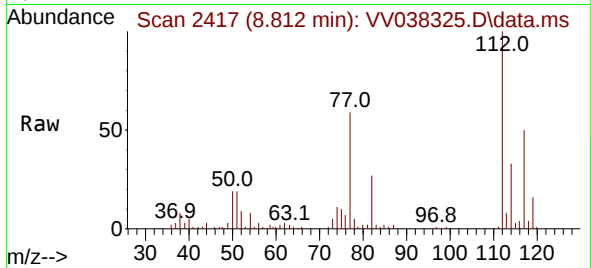




#51
Chlorobenzene
Concen: 0.924 ug/L
RT: 8.812 min Scan# 2415
Delta R.T. 0.006 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

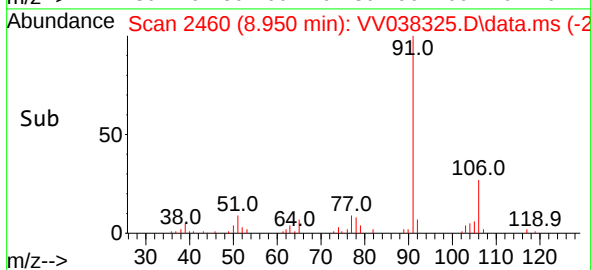
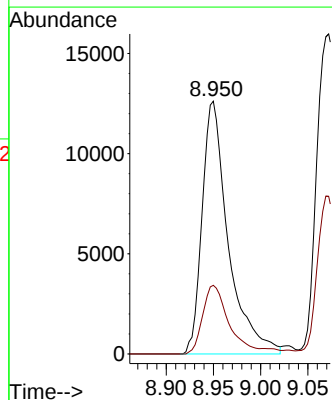
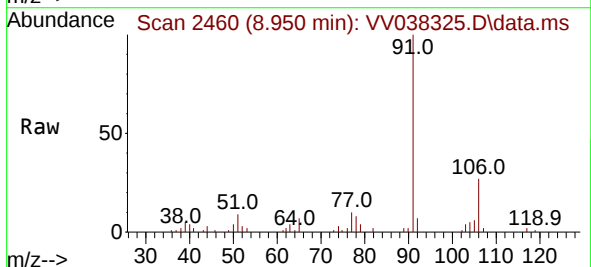
Instrument :
MSVOA_V
ClientSampleId :

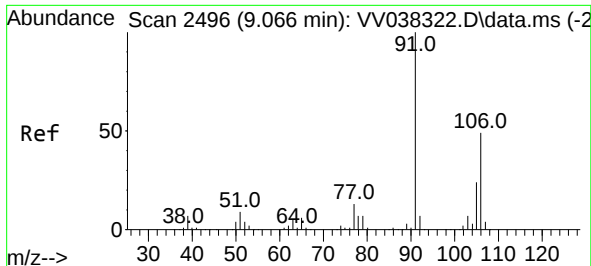
Tgt Ion:112 Resp: 47697
Ion Ratio Lower Upper
112 100
114 32.9 22.0 40.8
77 59.1 45.0 67.4



#52
Ethylbenzene
Concen: 0.306 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.013 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion: 91 Resp: 24285
Ion Ratio Lower Upper
91 100
106 27.2 21.8 40.4

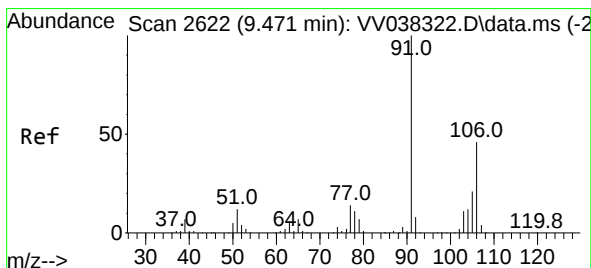
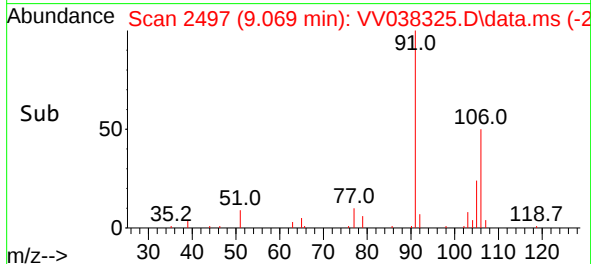
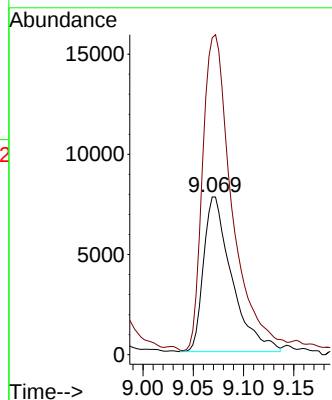
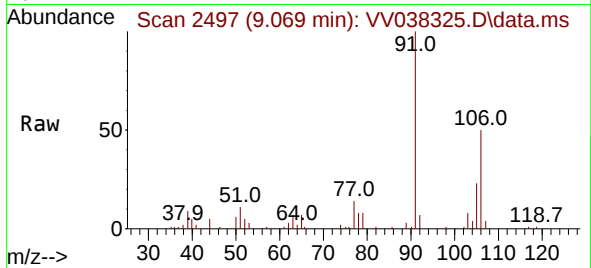




#53
m,p-Xylene
Concen: 0.505 ug/L
RT: 9.069 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

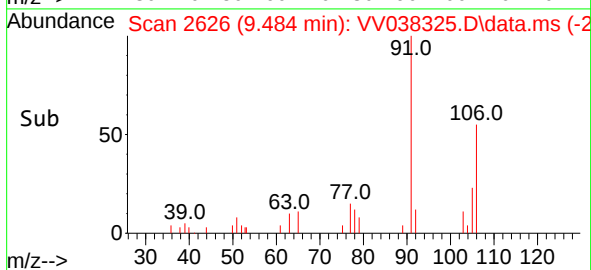
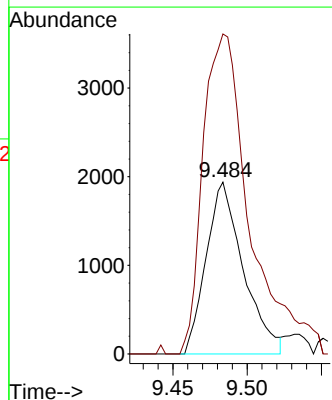
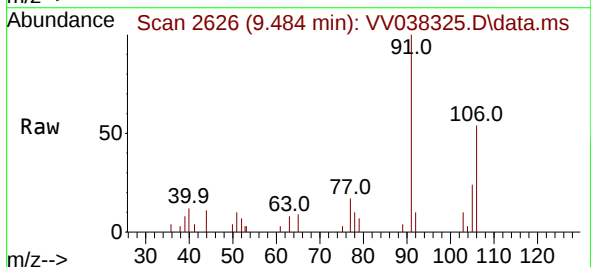
Instrument :
MSVOA_V
ClientSampleId :

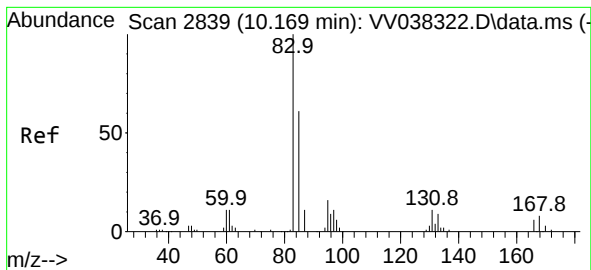
Tgt Ion:106 Resp: 15144
Ion Ratio Lower Upper
106 100
91 201.0 138.7 257.5



#54
o-Xylene
Concen: 0.116 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.013 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion:106 Resp: 3374
Ion Ratio Lower Upper
106 100
91 186.2 155.5 288.7

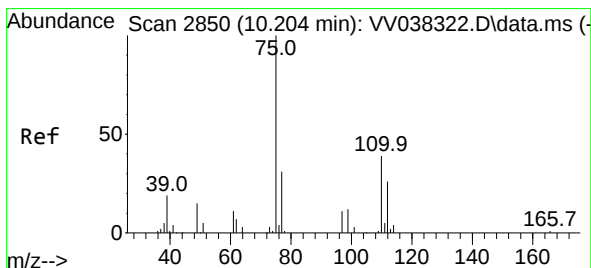
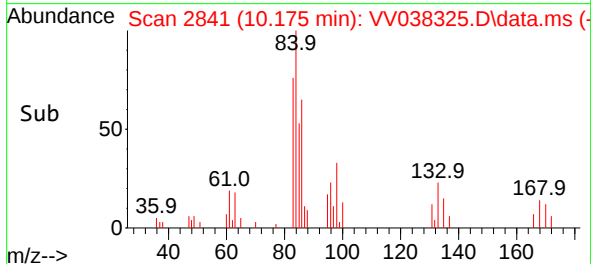
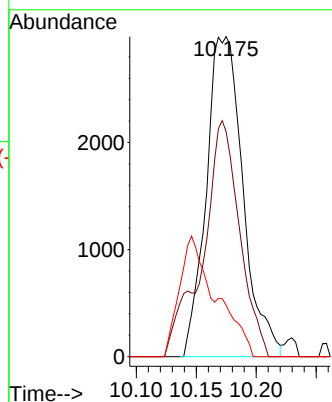
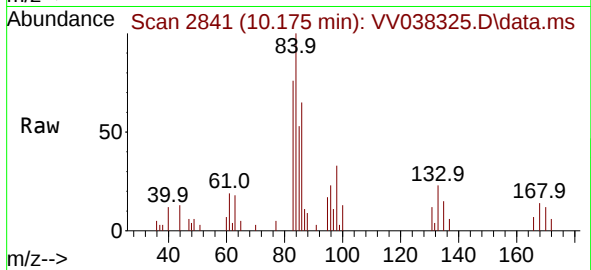




#57
1,1,2,2-Tetrachloroethane
Concen: 0.379 ug/L
RT: 10.175 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

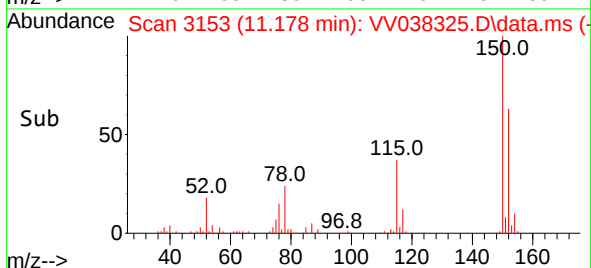
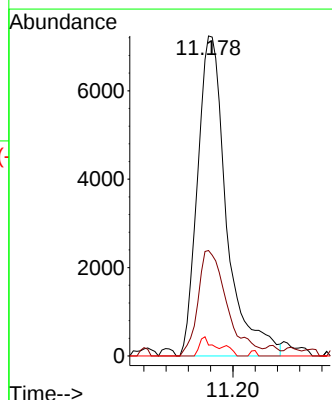
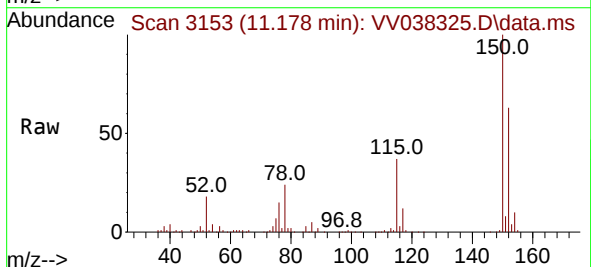
Instrument :
MSVOA_V
ClientSampleId :

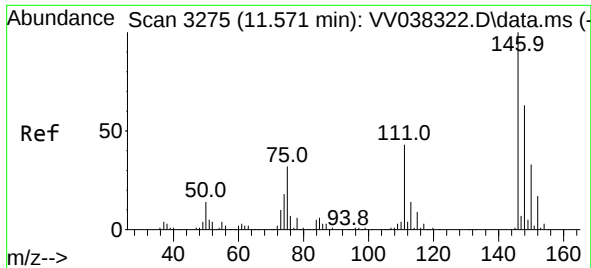
Tgt Ion: 83 Resp: 6363
Ion Ratio Lower Upper
83 100
85 70.2 45.7 84.9
131 16.1 8.2 12.4#



#61
1,2,3-Trichloropropane
Concen: 1.378 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

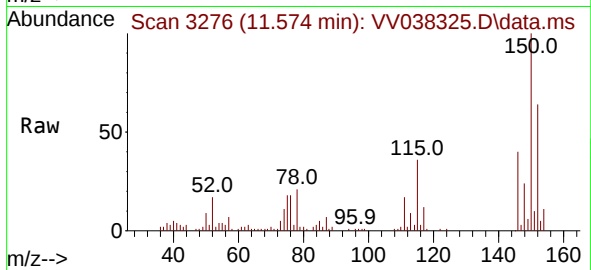
Tgt Ion: 75 Resp: 13067
Ion Ratio Lower Upper
75 100
77 33.2 26.4 39.6
110 2.7 32.3 48.5#





#67
1,2-Dichlorobenzene
Concen: 0.511 ug/L
RT: 11.574 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	146	Resp:	16211
Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.2	51.2
148	59.8	51.0	76.4

