

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035558.D
 Acq On : 08 May 2024 17:01
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: May 09 11:34:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	422539	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	442775	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	226667	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	128184	19.627	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.520%
7) Chloroethane-d5	1.529	69	109914	20.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.440%
11) 1,1-Dichloroethene-d2	2.053	65	59533	20.590	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.360%
21) 2-Butanone-d5	3.841	46	75356	40.658	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.320%
24) Chloroform-d	4.246	84	271081	21.580	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.320%
26) 1,2-Dichloroethane-d4	4.941	65	141562	22.795	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	4.957	84	510513	21.063	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.240%
36) 1,2-Dichloropropane-d6	5.985	67	165279	22.097	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.400%
41) Toluene-d8	7.243	98	431854	20.020	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.080%
43) trans-1,3-Dichloroprop...	7.555	79	66544	20.802	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	8.030	63	61403	45.653	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.300%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	168311	23.352	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	183882	23.376	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.520%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.105	85	6641	0.773	ug/L	98
3) Chloromethane	1.214	50	8478	0.983	ug/L	94
5) Vinyl chloride	1.278	62	7111	0.798	ug/L #	67
6) Bromomethane	1.484	94	4968	0.881	ug/L	93
8) Chloroethane	1.545	64	4505	0.820	ug/L	97
9) Trichlorofluoromethane	1.709	101	9135	0.785	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	7127	0.971	ug/L #	81
12) 1,1-Dichloroethene	2.063	96	6319	0.953	ug/L #	1
13) Acetone	2.150	43	9162m	3.377	ug/L	
14) Carbon disulfide	2.233	76	17846	0.850	ug/L	98
15) Methyl Acetate	2.397	43	5284m	1.285	ug/L	
16) Methylene chloride	2.445	84	38226	3.923	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	5423	0.737	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	11932	0.672	ug/L	97
19) 1,1-Dichloroethane	3.117	63	10104	0.732	ug/L	92
20) cis-1,2-Dichloroethene	3.822	96	5613	0.704	ug/L	91
22) 2-Butanone	3.883	43	4411m	1.751	ug/L	
23) Bromochloromethane	4.159	128	2825	0.732	ug/L	94
25) Chloroform	4.272	83	11766	0.826	ug/L	88

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 Response via : Initial Calibration

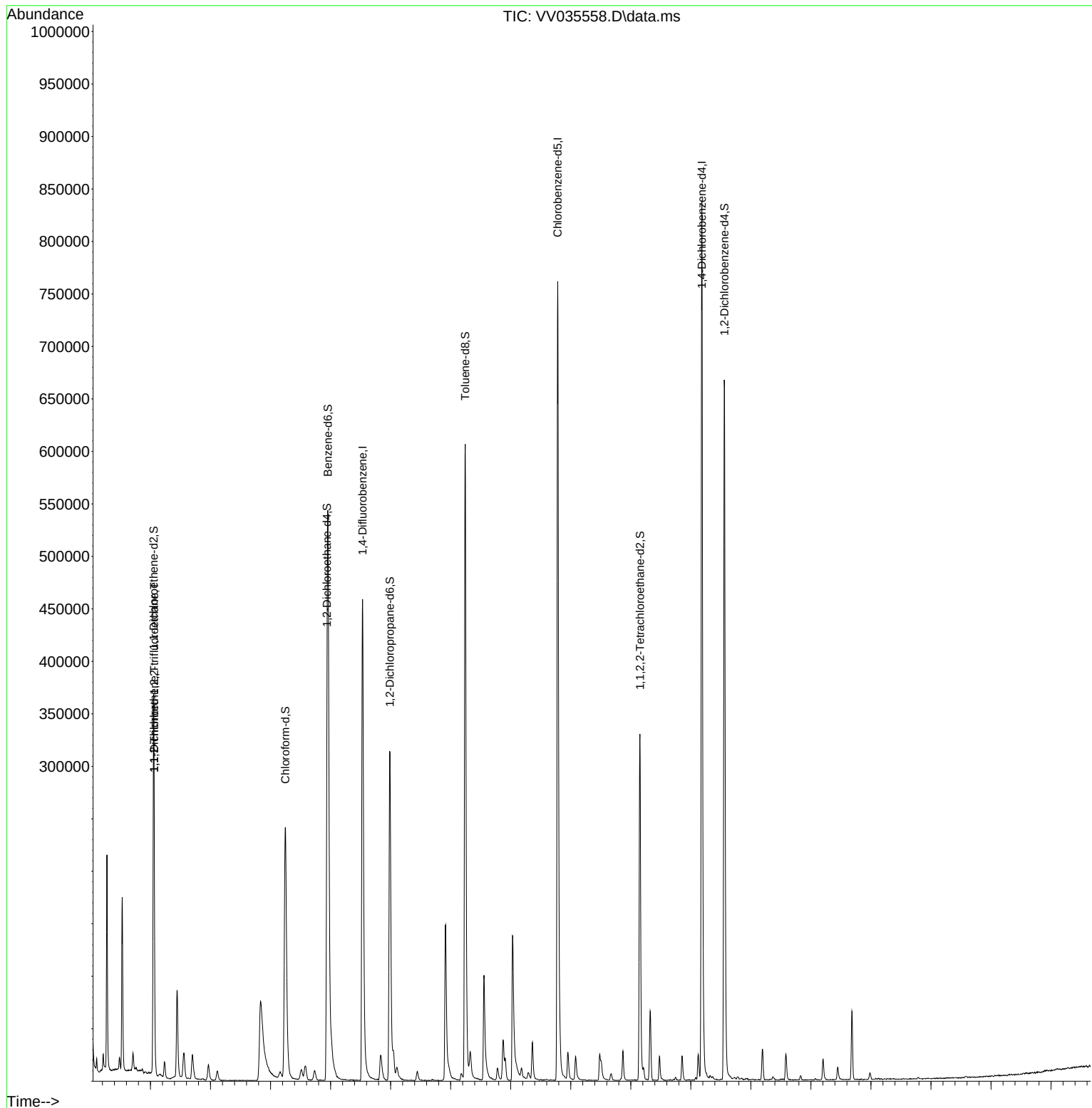
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	5816	0.656	ug/L	96
29) Cyclohexane	4.577	56	6806	0.643	ug/L	92
30) 1,1,1-Trichloroethane	4.513	97	9155	0.746	ug/L	93
31) Carbon tetrachloride	4.735	117	7113	0.660	ug/L	91
33) Benzene	5.018	78	19565	0.668	ug/L	100
34) Trichloroethene	5.847	95	5888	0.710	ug/L	90
35) Methylcyclohexane	6.050	83	10397m	0.826	ug/L	
37) 1,2-Dichloropropane	6.104	63	5891	0.771	ug/L	100
38) Bromodichloromethane	6.445	83	7080	0.684	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	6451	0.539	ug/L	87
40) 4-Methyl-2-pentanone	7.175	43	4547	0.993	ug/L	98
42) Toluene	7.326	91	21856	0.705	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	6000	0.574	ug/L	94
45) 1,1,2-Trichloroethane	7.776	97	4649	0.716	ug/L	96
46) Tetrachloroethene	7.908	164	4910	0.729	ug/L	92
48) 2-Hexanone	8.098	43	6959m	2.027	ug/L	
49) Dibromochloromethane	8.182	129	5538	0.756	ug/L	96
50) 1,2-Dibromoethane	8.291	107	4695	0.734	ug/L #	89
51) Chlorobenzene	8.818	112	15971	0.742	ug/L	96
52) Ethylbenzene	8.953	91	20639	0.603	ug/L	100
53) m,p-Xylene	9.082	106	7177	0.552	ug/L	93
54) o-Xylene	9.481	106	6821	0.554	ug/L	99
55) Styrene	9.509	104	8598	0.400	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.178	83	6273	0.793	ug/L #	93
59) Bromoform	9.673	173	3307	0.742	ug/L #	90
60) Isopropylbenzene	9.870	105	17943	0.594	ug/L #	94
61) 1,2,3-Trichloropropane	10.210	75	4380	0.825	ug/L	95
62) 1,3,5-Trimethylbenzene	10.480	105	12781	0.540	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	12801	0.526	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	11192	0.706	ug/L	93
65) 1,4-Dichlorobenzene	11.207	146	14211	0.866	ug/L	92
67) 1,2-Dichlorobenzene	11.577	146	12030	0.807	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	1044	0.847	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.583	180	8845	0.714	ug/L	94
70) 1,2,4-trichlorobenzene	13.201	180	7040	0.681	ug/L	97
71) Naphthalene	13.448	128	11511	0.634	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	6440	0.692	ug/L	96

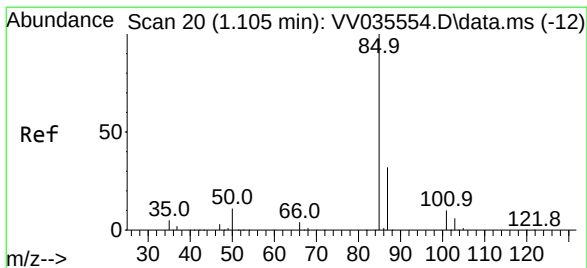
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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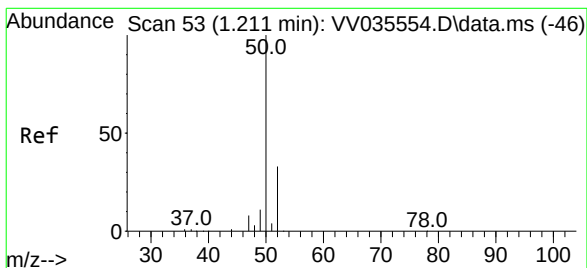
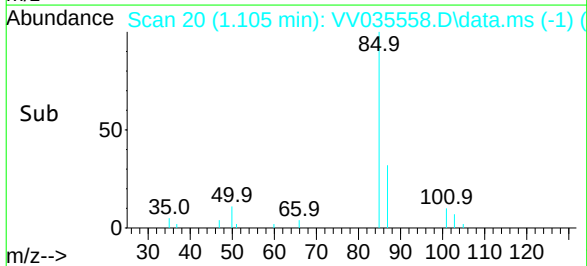
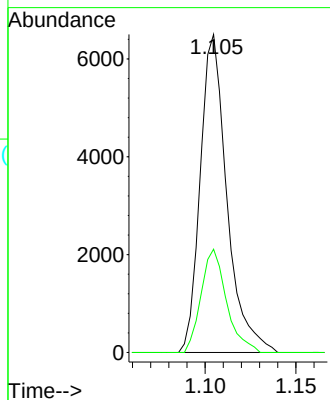
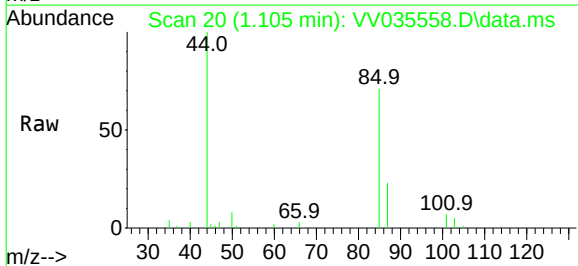




#2
 Dichlorodifluoromethane
 Concen: 0.773 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

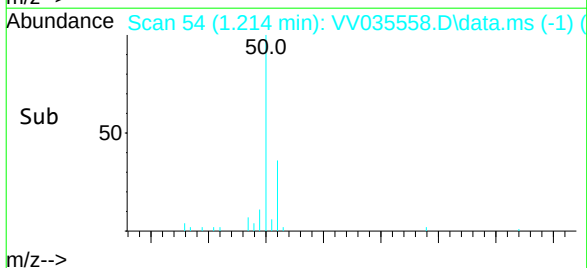
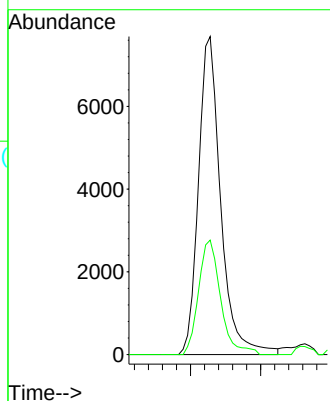
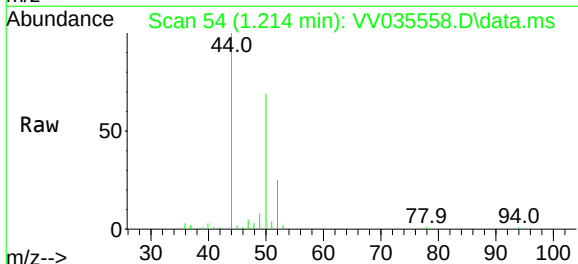
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

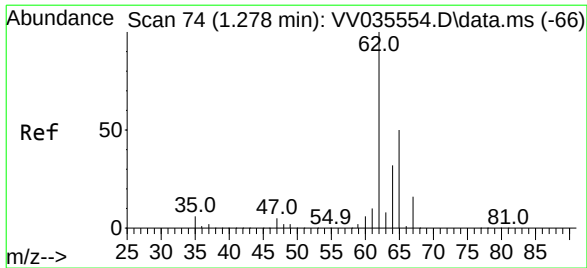
Tgt Ion: 85 Resp: 6641
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.8 38.6



#3
 Chloromethane
 Concen: 0.983 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion: 50 Resp: 8478
 Ion Ratio Lower Upper
 50 100
 52 36.0 22.7 42.1

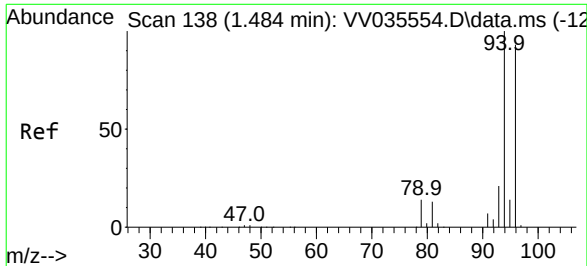
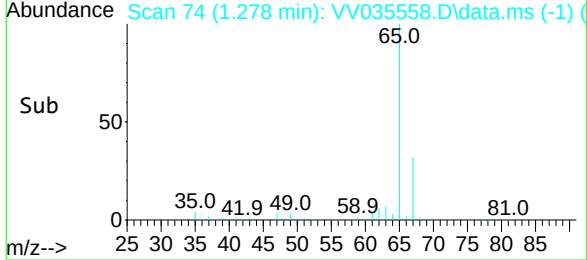
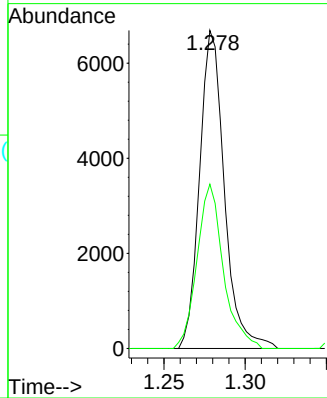
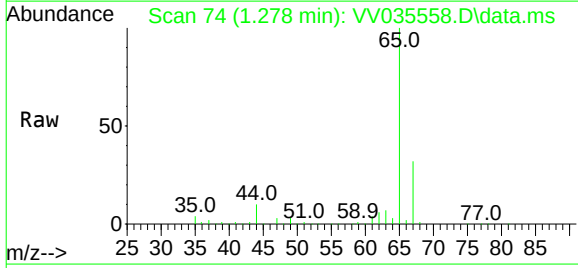




#5
 Vinyl chloride
 Concen: 0.798 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

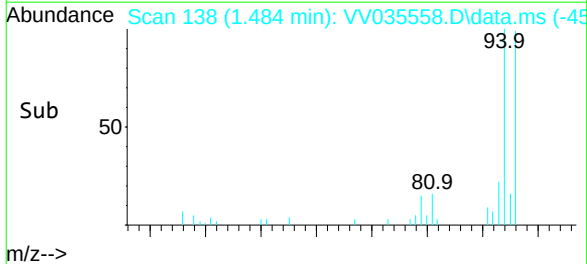
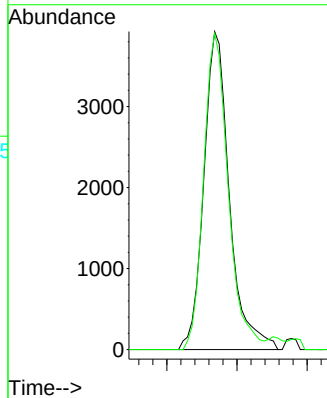
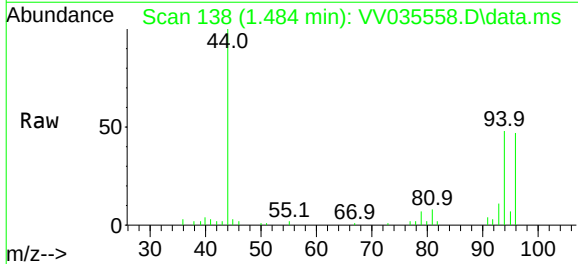
Instrument :
 MSVOA_V
 ClientSampleId :
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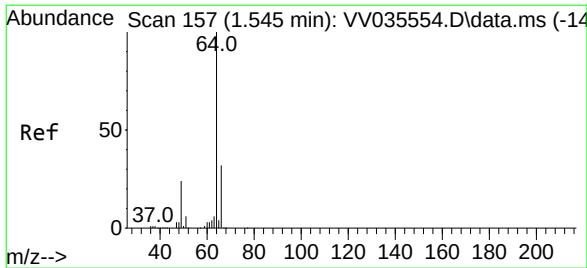
Tgt Ion: 62 Resp: 7111
 Ion Ratio Lower Upper
 62 100
 64 51.7 23.0 42.6#



#6
 Bromomethane
 Concen: 0.881 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion: 94 Resp: 4968
 Ion Ratio Lower Upper
 94 100
 96 99.4 65.2 121.0

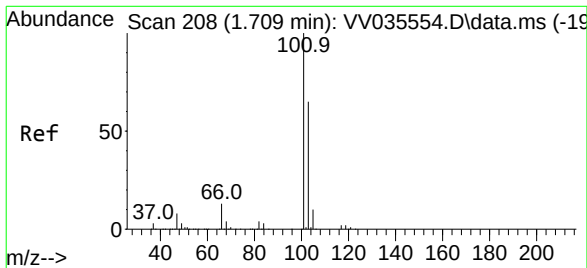
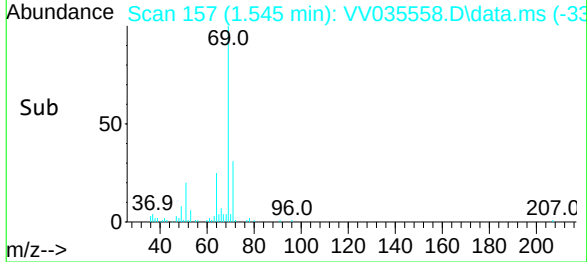
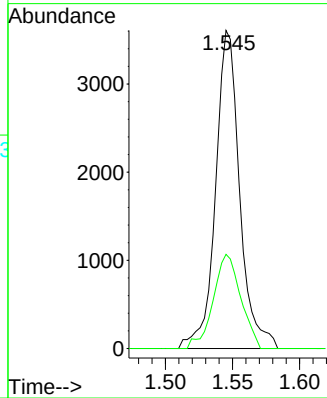
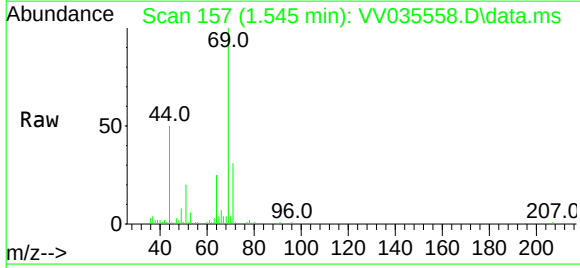




#8
Chloroethane
Concen: 0.820 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

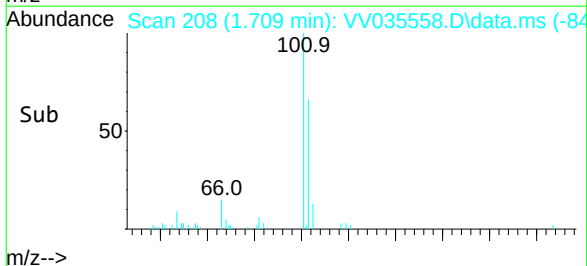
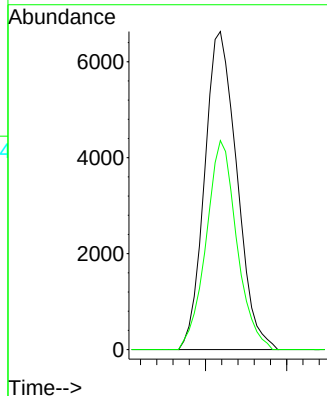
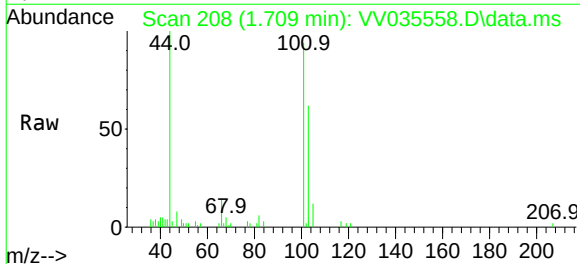
Instrument :
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ClientSampleId :
MDL04

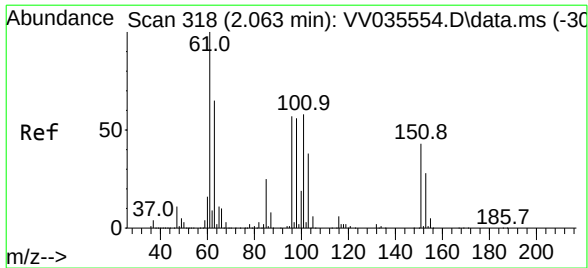
Tgt Ion: 64 Resp: 4505
Ion Ratio Lower Upper
64 100
66 29.6 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.785 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion: 101 Resp: 9135
Ion Ratio Lower Upper
101 100
103 62.5 51.5 77.3

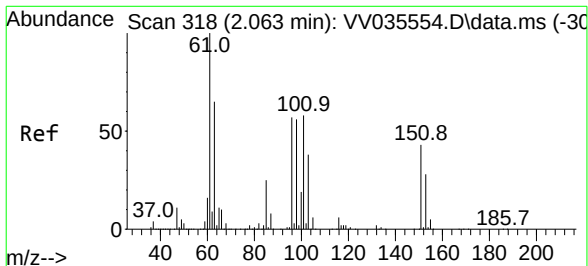
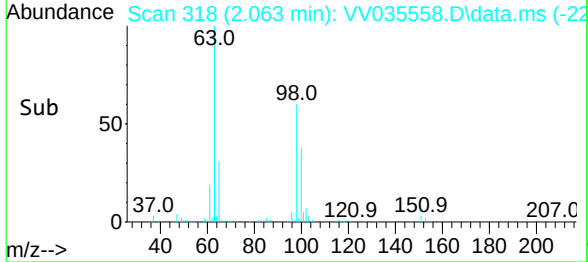
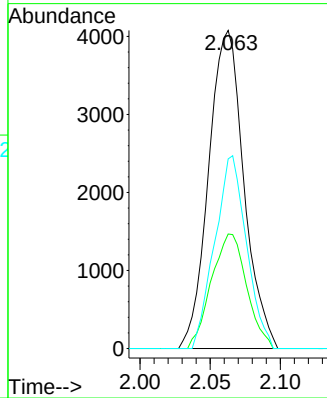
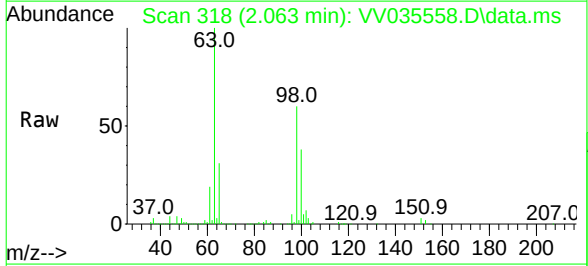




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.971 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

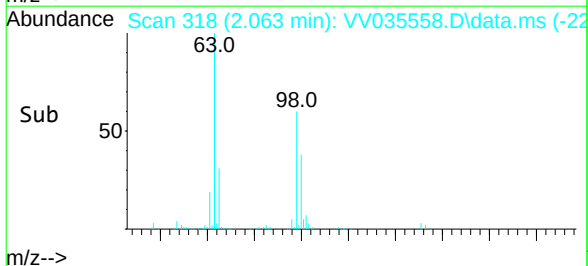
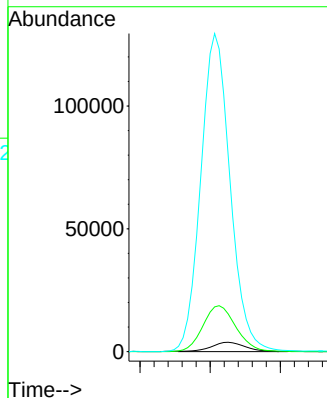
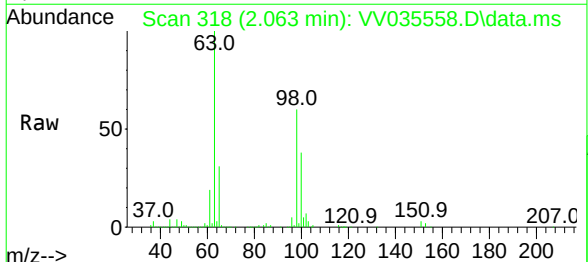
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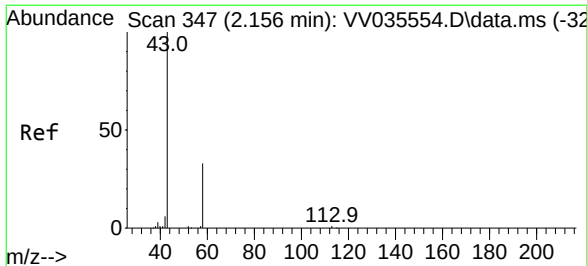
Tgt Ion:	101	Resp:	7127
Ion Ratio	Lower	Upper	
101	100		
85	35.9	34.2	51.4
151	54.5	59.5	89.3#



#12
 1,1-Dichloroethene
 Concen: 0.953 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion:	96	Resp:	6319
Ion Ratio	Lower	Upper	
96	100		
61	404.5	119.8	222.4#
63	2105.9	75.6	140.4#





#13

Acetone

Concen: 3.377 ug/L m

RT: 2.150 min Scan# 347

Delta R.T. -0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

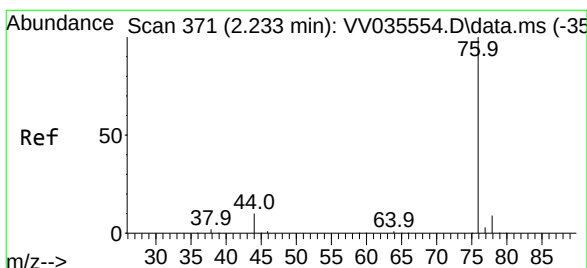
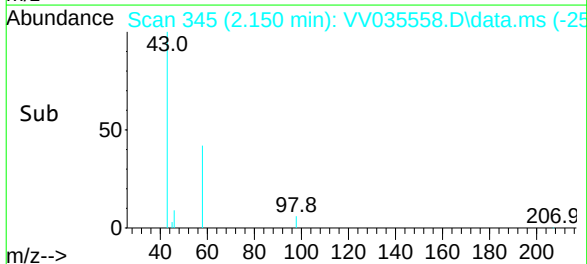
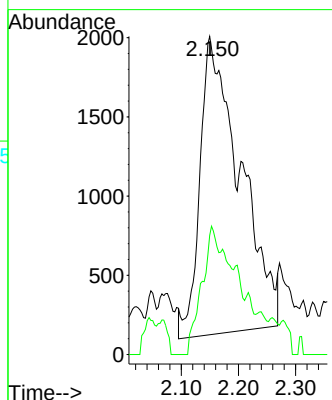
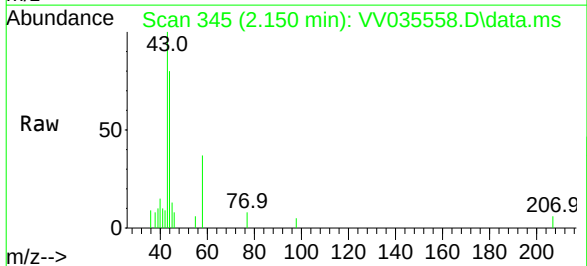
MDL04

Tgt Ion: 43 Resp: 9162

Ion Ratio Lower Upper

43 100

58 4.9 0.0 22.8



#14

Carbon disulfide

Concen: 0.850 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV035558.D

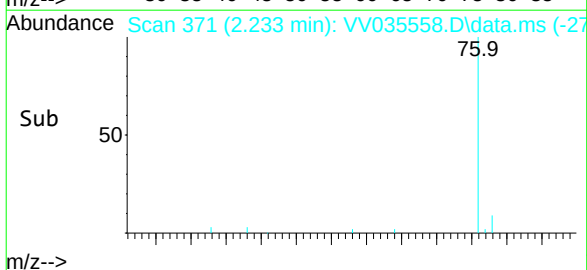
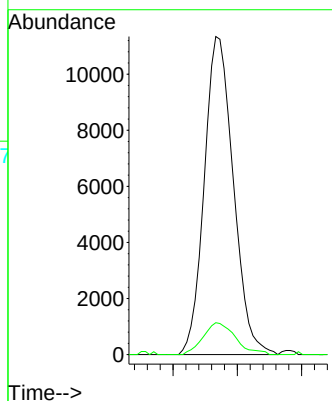
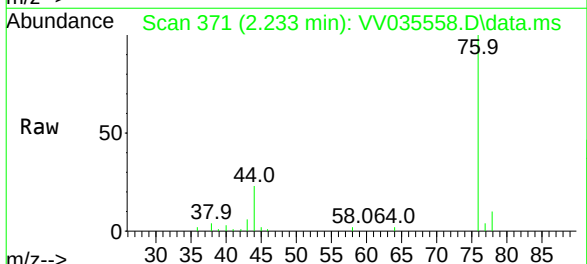
Acq: 08 May 2024 17:01

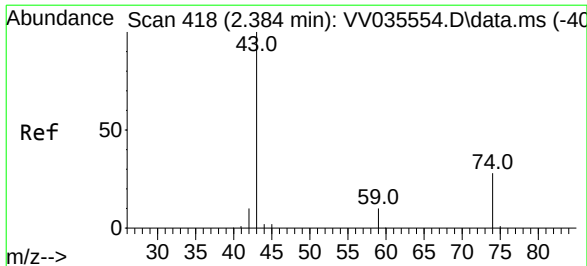
Tgt Ion: 76 Resp: 17846

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3





#15

Methyl Acetate

Concen: 1.285 ug/L m

RT: 2.397 min Scan# 42

Delta R.T. 0.013 min

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ClientSampleId :

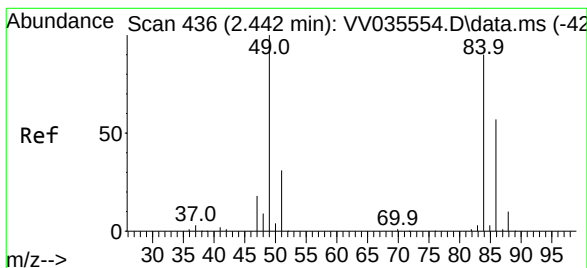
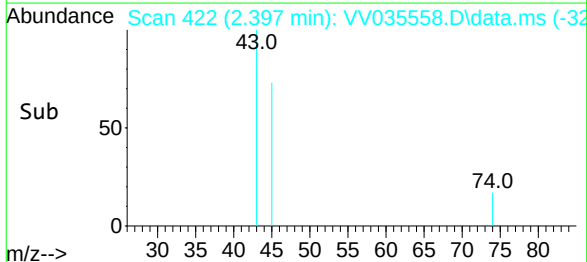
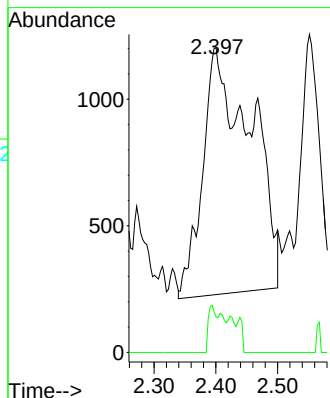
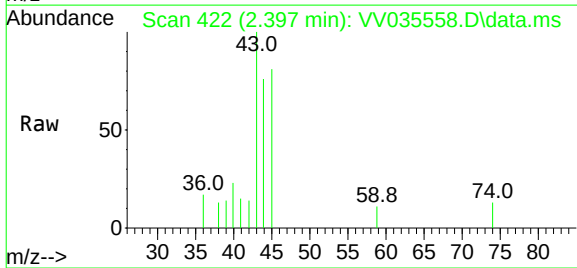
MDL04

Tgt Ion: 43 Resp: 5284

Ion Ratio Lower Upper

43 100

74 3.4 18.6 27.8#



#16

Methylene chloride

Concen: 3.923 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

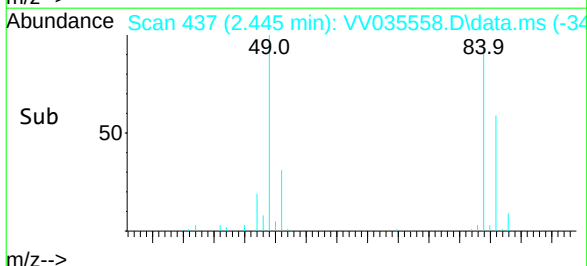
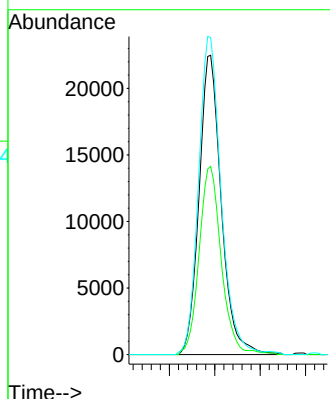
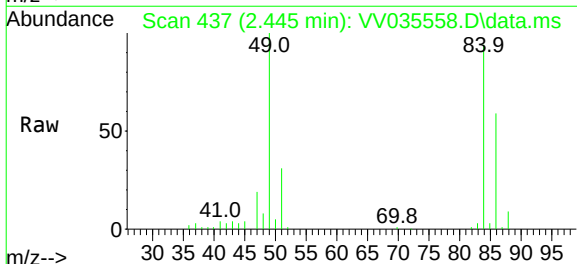
Tgt Ion: 84 Resp: 38226

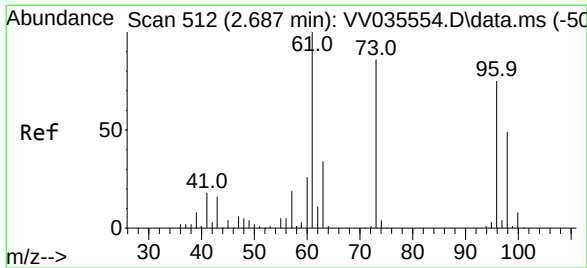
Ion Ratio Lower Upper

84 100

86 62.9 43.8 81.3

49 105.9 75.3 139.9

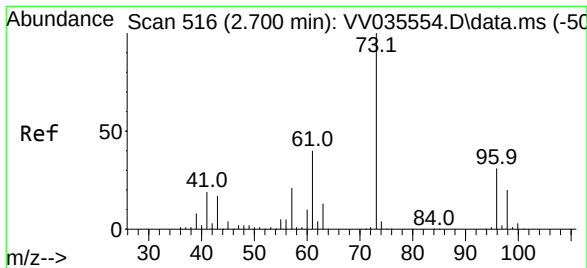
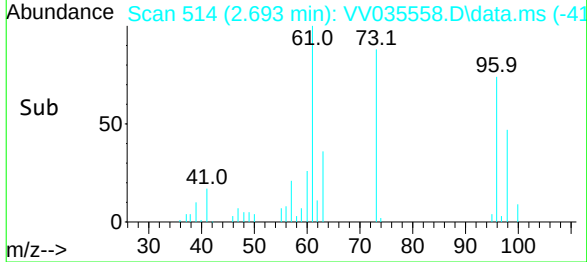
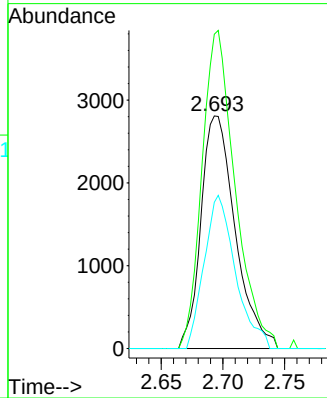
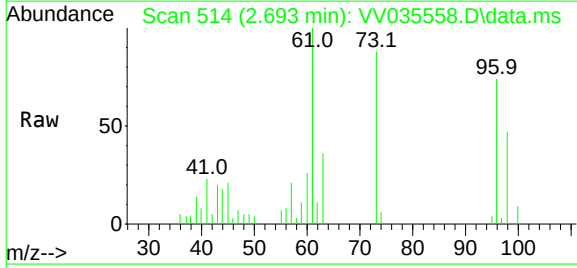




#17
trans-1,2-Dichloroethene
Concen: 0.737 ug/L
RT: 2.693 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

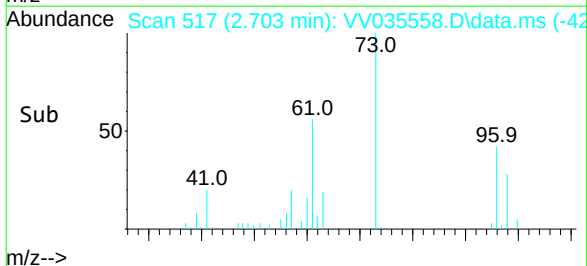
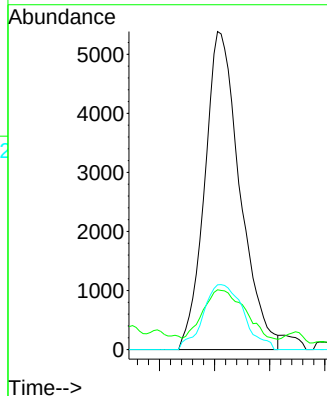
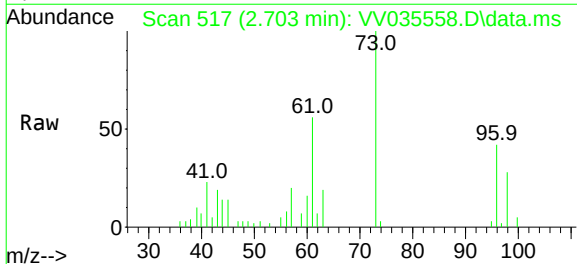
Instrument :
MSVOA_V
ClientSampleId :
MDL04

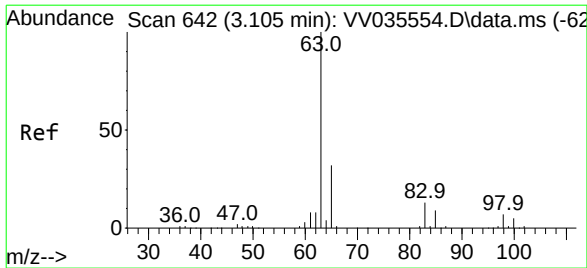
Tgt Ion: 96 Resp: 5423
Ion Ratio Lower Upper
96 100
61 135.1 95.5 177.4
98 62.9 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 0.672 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion: 73 Resp: 11932
Ion Ratio Lower Upper
73 100
43 18.1 13.3 19.9
57 23.4 17.4 26.2

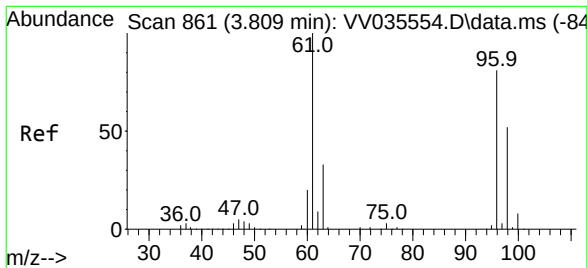
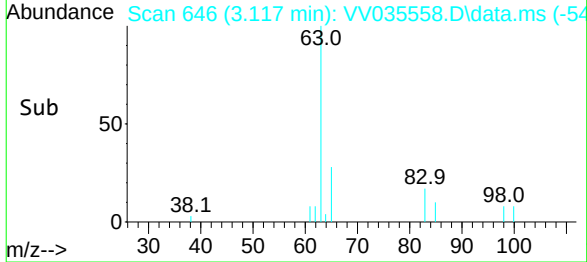
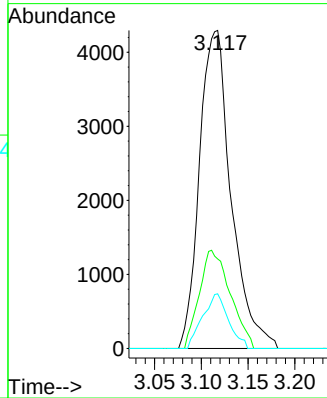
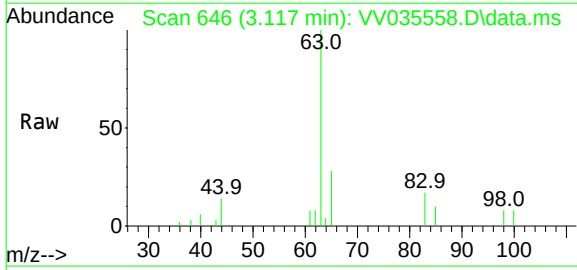




#19
1,1-Dichloroethane
Concen: 0.732 ug/L
RT: 3.117 min Scan# 64
Delta R.T. 0.013 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

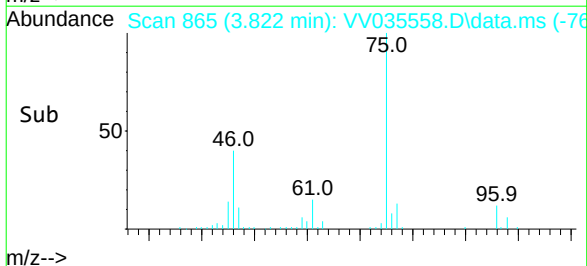
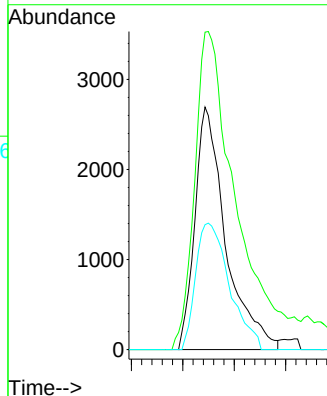
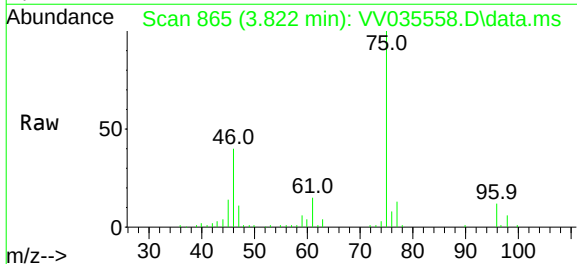
Instrument :
MSVOA_V
ClientSampleId :
MDL04

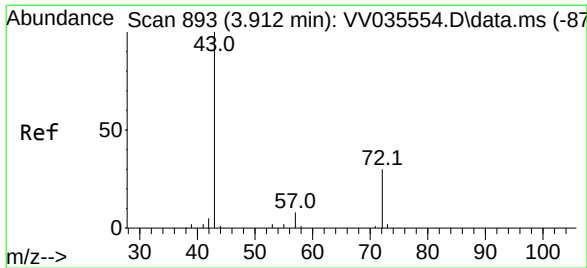
Tgt Ion:	63	Resp:	10104
Ion	Ratio	Lower	Upper
63	100		
65	28.1	22.7	42.3
83	17.2	9.7	17.9



#20
cis-1,2-Dichloroethene
Concen: 0.704 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.013 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion:	96	Resp:	5613
Ion	Ratio	Lower	Upper
96	100		
61	124.9	83.9	155.9
98	49.1	44.0	81.8

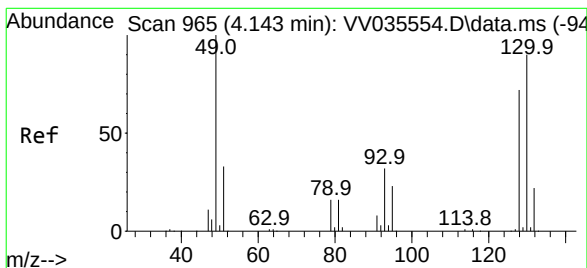
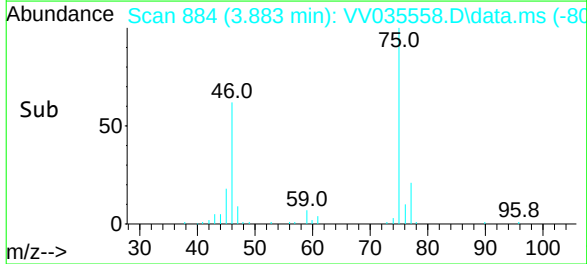
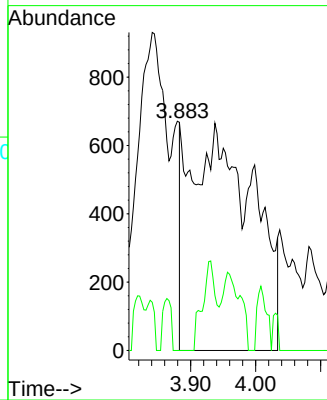
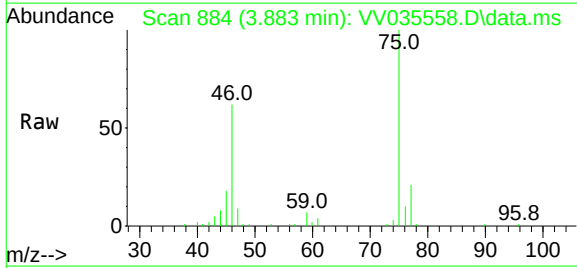




#22
2-Butanone
Concen: 1.751 ug/L m
RT: 3.883 min Scan# 88
Delta R.T. -0.029 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

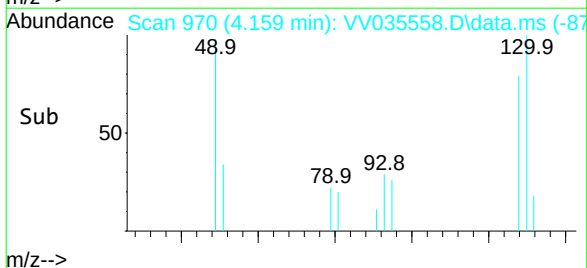
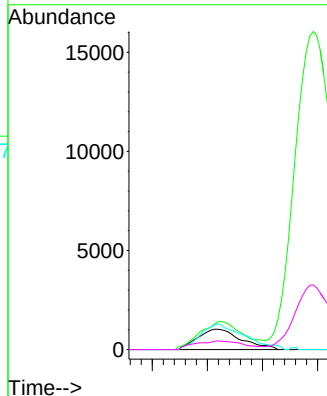
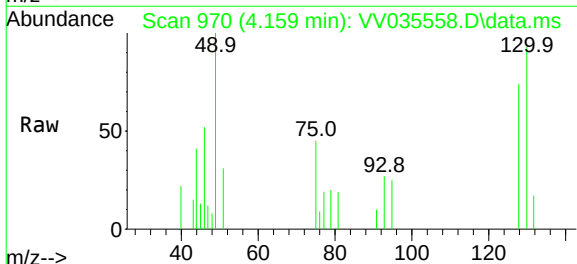
Instrument :
MSVOA_V
ClientSampleId :
MDL04

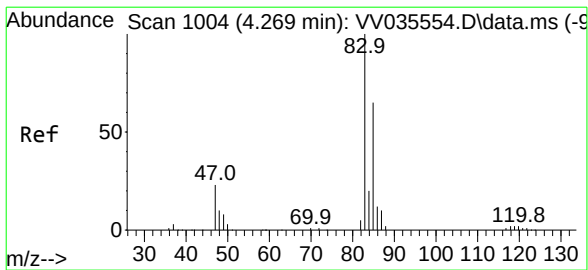
Tgt Ion: 43 Resp: 4411
Ion Ratio Lower Upper
43 100
72 5.0 12.3 36.9#



#23
Bromochloromethane
Concen: 0.732 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion:128 Resp: 2825
Ion Ratio Lower Upper
128 100
49 135.9 103.1 191.5
130 126.8 91.8 170.4
51 42.6 37.0 55.4





#25

Chloroform

Concen: 0.826 ug/L

RT: 4.272 min Scan# 10

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

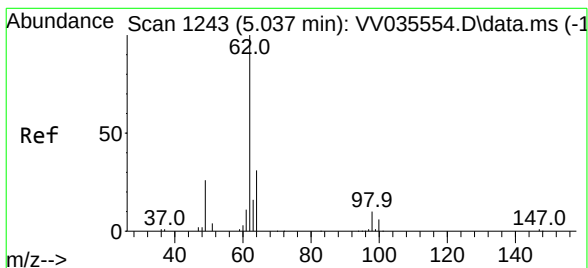
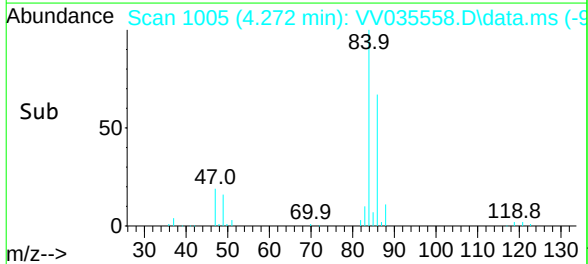
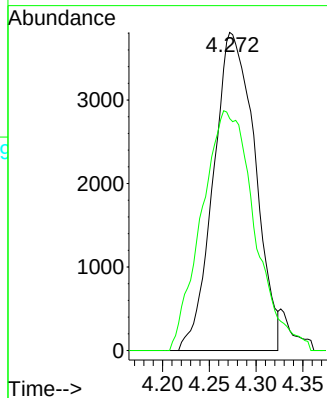
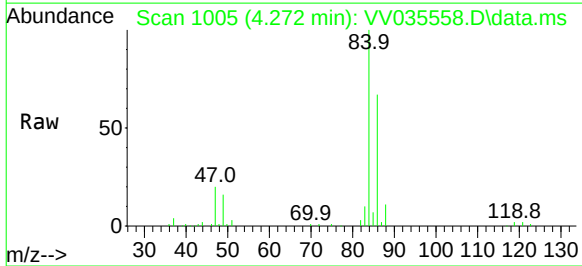
MDL04

Tgt Ion: 83 Resp: 11766

Ion Ratio Lower Upper

83 100

85 72.9 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.656 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.022 min

Lab File: VV035558.D

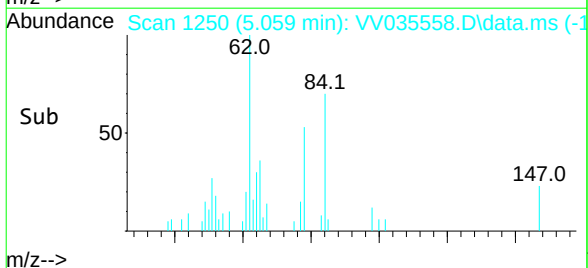
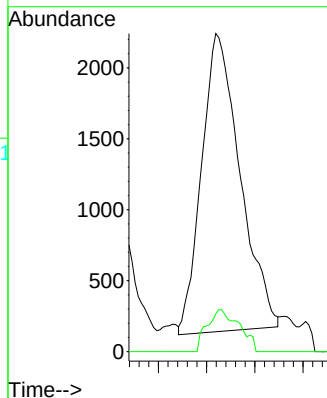
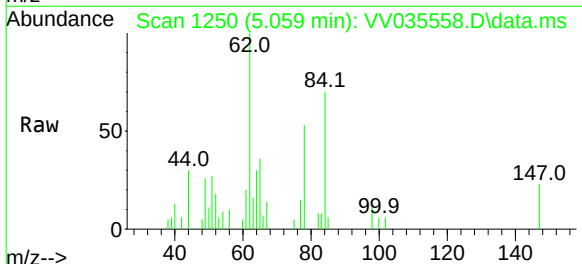
Acq: 08 May 2024 17:01

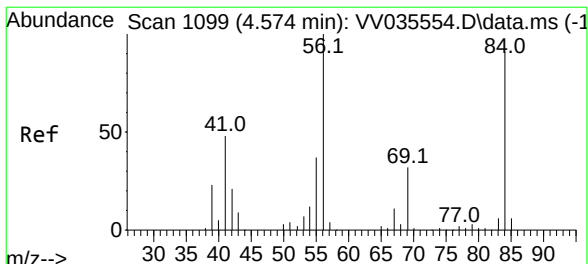
Tgt Ion: 62 Resp: 5816

Ion Ratio Lower Upper

62 100

98 11.9 8.2 12.2

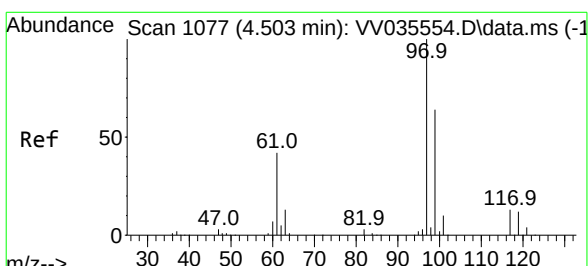
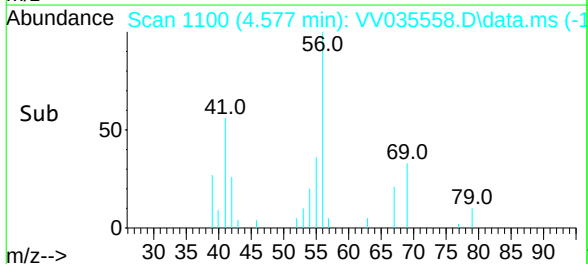
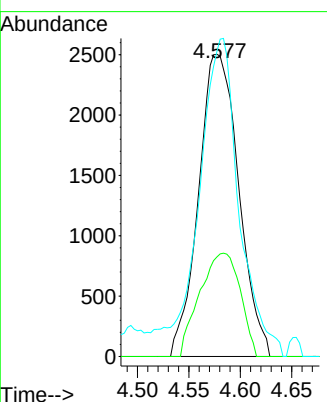
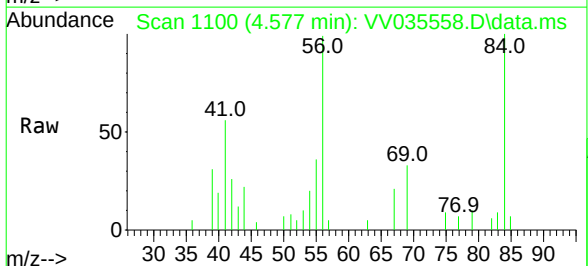




#29
Cyclohexane
Concen: 0.643 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

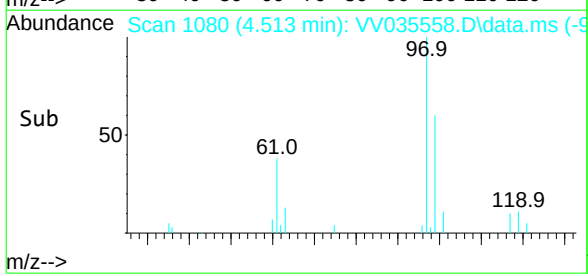
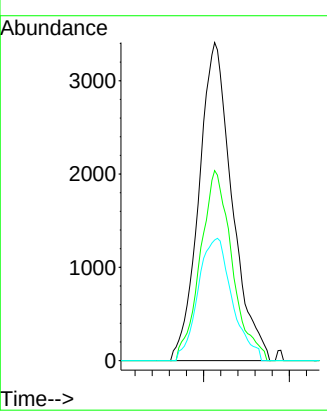
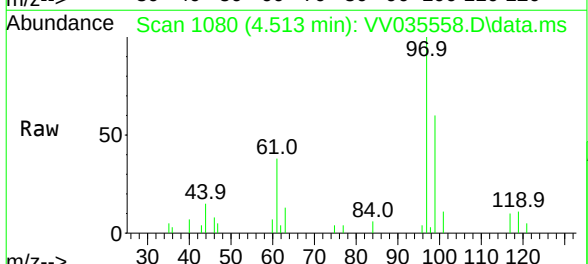
Instrument :
MSVOA_V
ClientSampleId :
MDL04

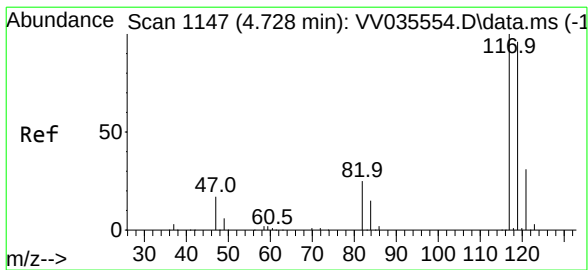
Tgt Ion:	56	Resp:	6806
Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.6	38.4
84	102.2	74.8	112.2



#30
1,1,1-Trichloroethane
Concen: 0.746 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.010 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion:	97	Resp:	9155
Ion	Ratio	Lower	Upper
97	100		
99	57.3	51.7	77.5
61	39.5	33.5	50.3

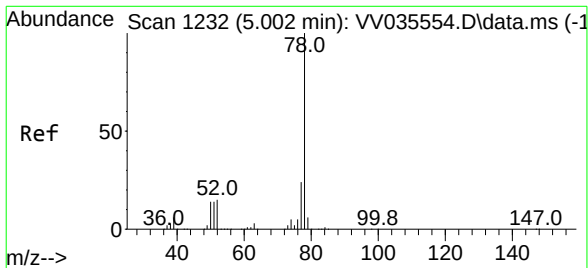
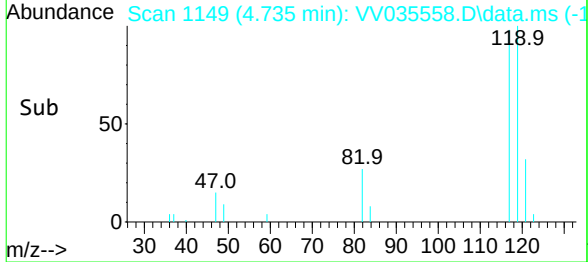
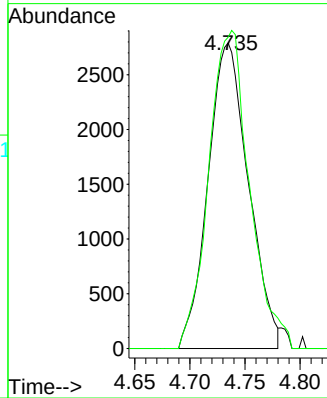
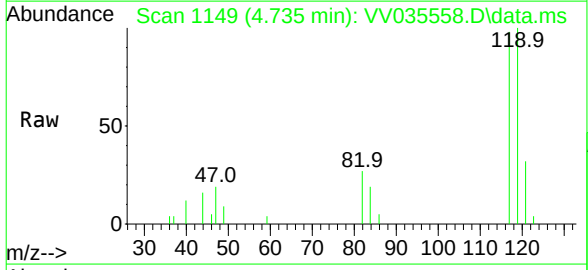




#31
Carbon tetrachloride
Concen: 0.660 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

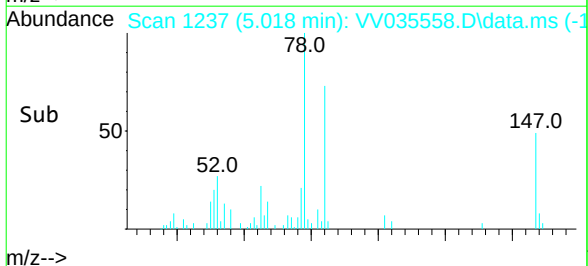
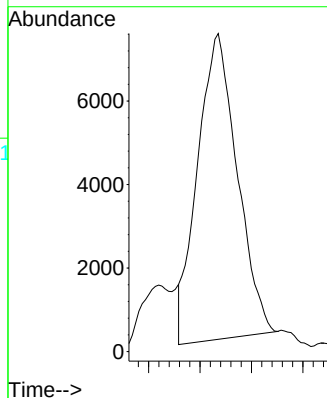
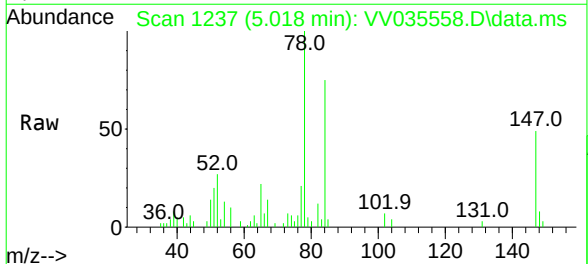
Instrument : MSVOA_V
ClientSampleId : MDL04

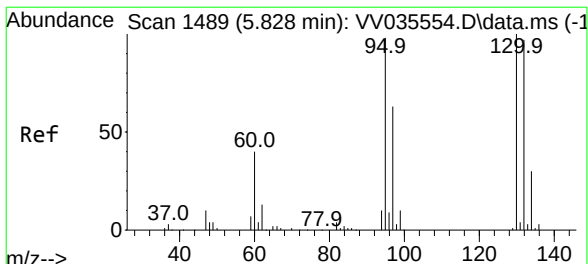
Tgt Ion: 117 Resp: 7113
Ion Ratio Lower Upper
117 100
119 105.1 77.3 115.9



#33
Benzene
Concen: 0.668 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

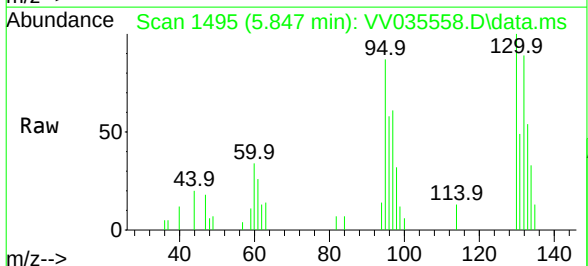
Tgt Ion: 78 Resp: 19565



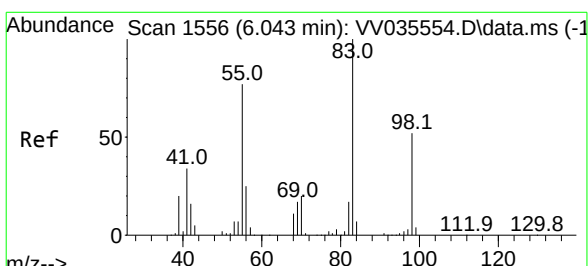
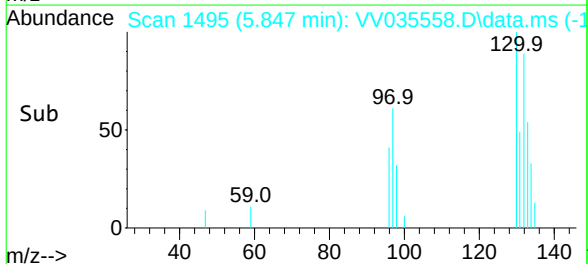
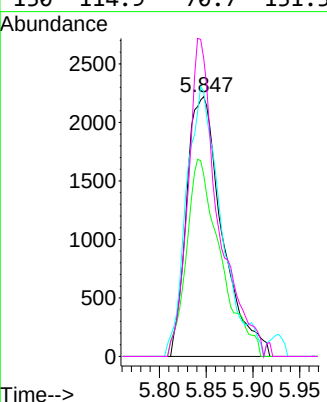


#34
 Trichloroethene
 Concen: 0.710 ug/L
 RT: 5.847 min Scan# 1489
 Delta R.T. 0.019 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Instrument : MSVOA_V
 ClientSampleId : MDL04

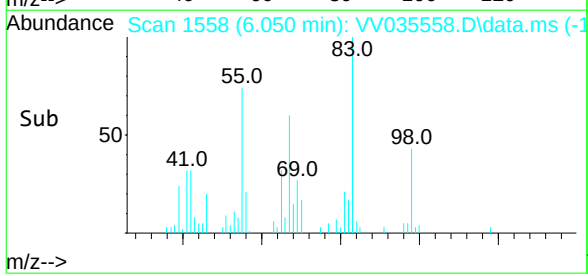
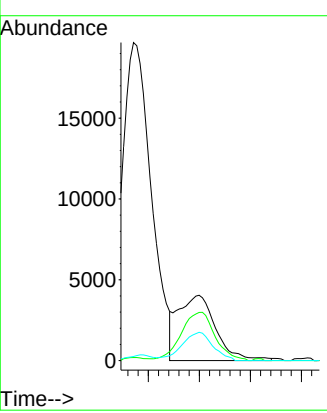
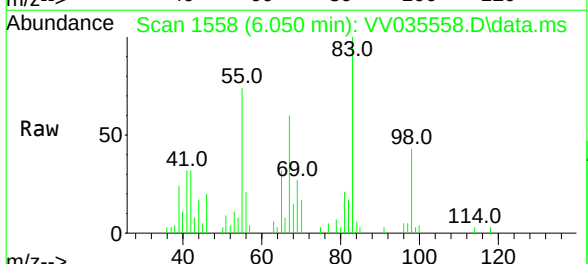


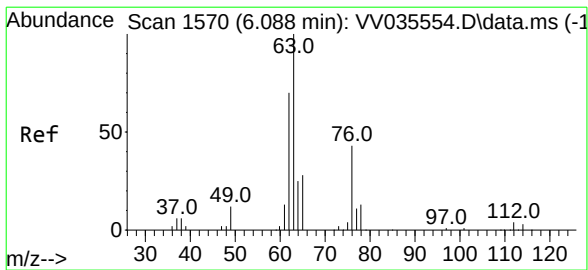
Tgt Ion:	95	Resp:	5888
Ion	Ratio	Lower	Upper
95	100		
97	70.0	43.8	81.4
132	102.1	67.1	124.7
130	114.9	70.7	131.3



#35
 Methylcyclohexane
 Concen: 0.826 ug/L m
 RT: 6.050 min Scan# 1558
 Delta R.T. 0.006 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion:	83	Resp:	10397
Ion	Ratio	Lower	Upper
83	100		
55	2.7	57.5	86.3#
98	5.6	38.6	58.0#

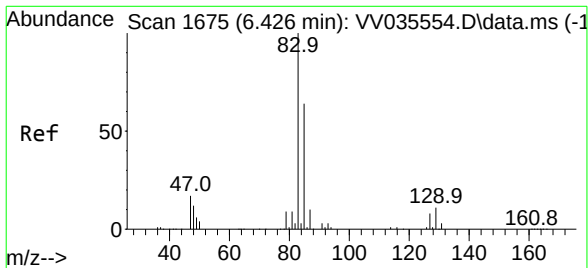
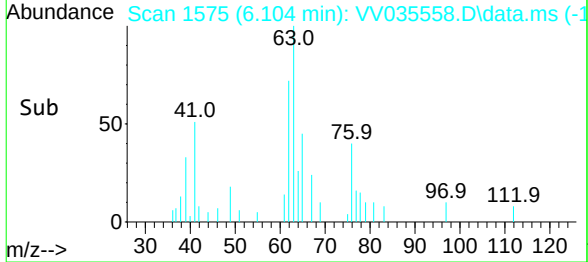
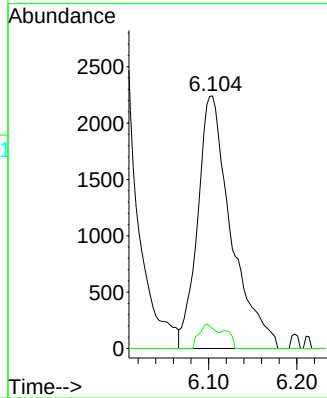
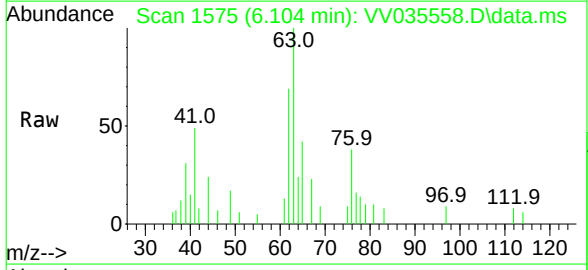




#37
1,2-Dichloropropane
Concen: 0.771 ug/L
RT: 6.104 min Scan# 1570
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

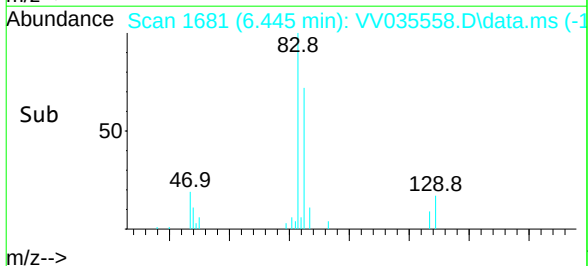
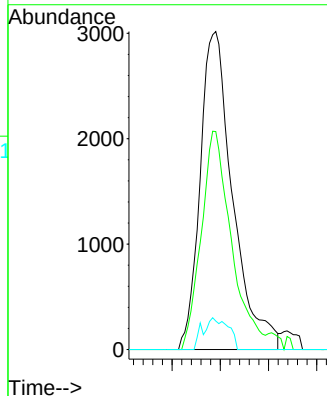
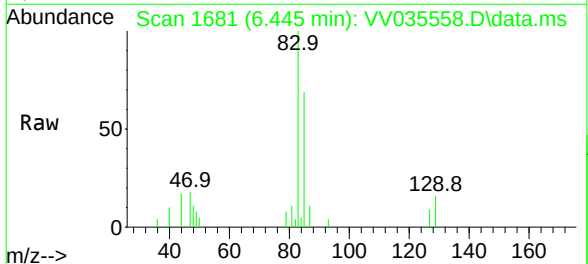
Instrument :
MSVOA_V
ClientSampleId :
MDL04

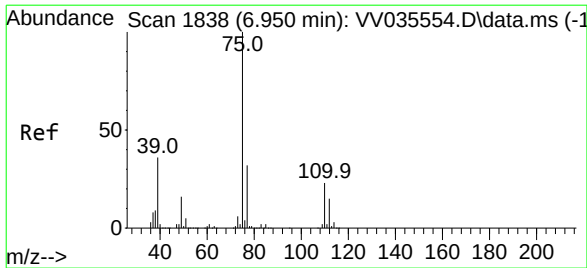
Tgt Ion: 63 Resp: 5891
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.6



#38
Bromodichloromethane
Concen: 0.684 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.019 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion: 83 Resp: 7080
Ion Ratio Lower Upper
83 100
85 68.5 45.1 83.9
127 8.9 7.0 10.6

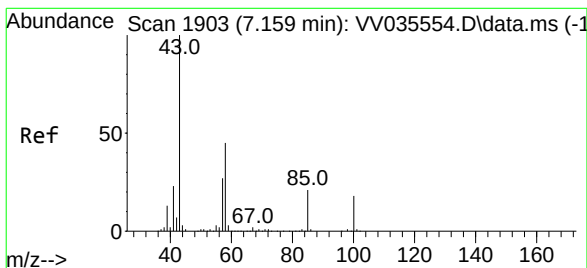
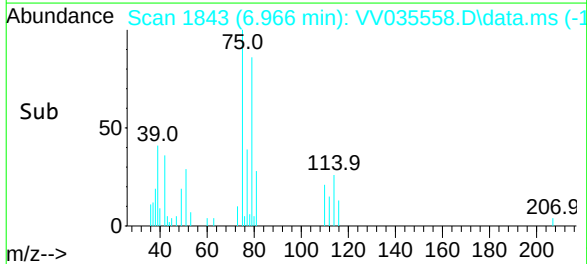
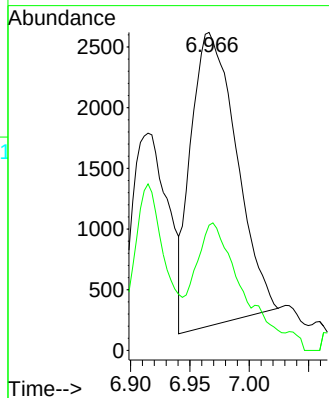
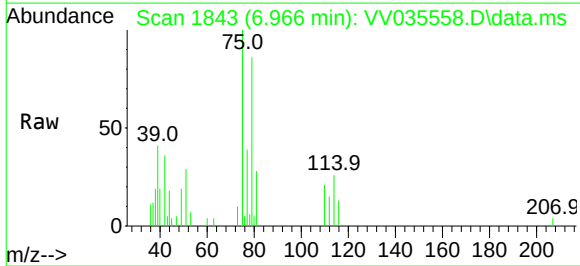




#39
cis-1,3-Dichloropropene
Concen: 0.539 ug/L
RT: 6.966 min Scan# 1838
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

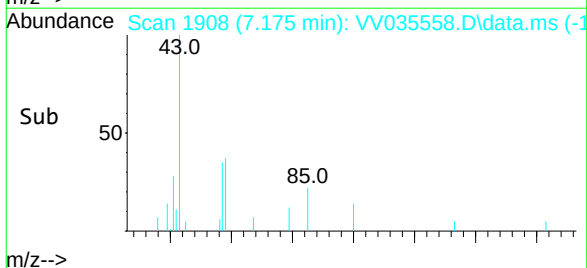
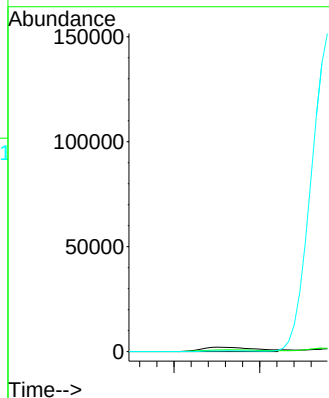
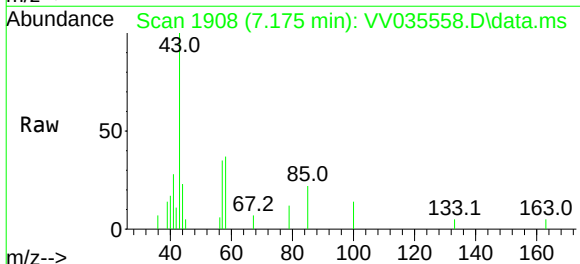
Instrument :
MSVOA_V
ClientSampleId :
MDL04

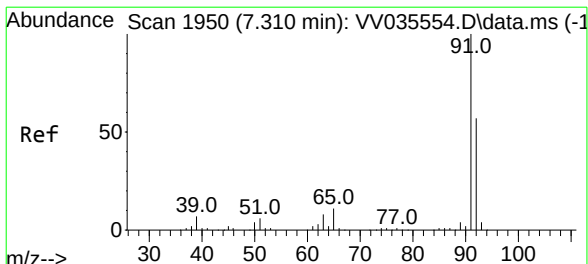
Tgt Ion: 75 Resp: 6451
Ion Ratio Lower Upper
75 100
77 39.4 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 0.993 ug/L
RT: 7.175 min Scan# 1908
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

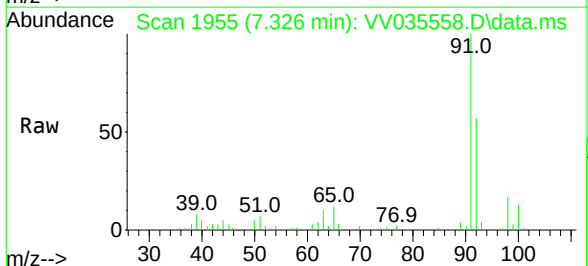
Tgt Ion: 43 Resp: 4547
Ion Ratio Lower Upper
43 100
58 44.1 34.8 52.2
100 15.0 13.9 20.9



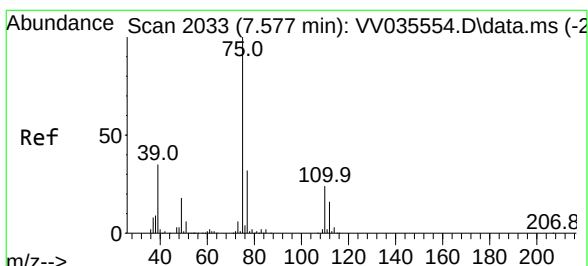
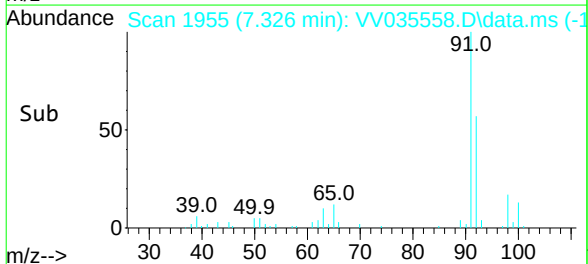
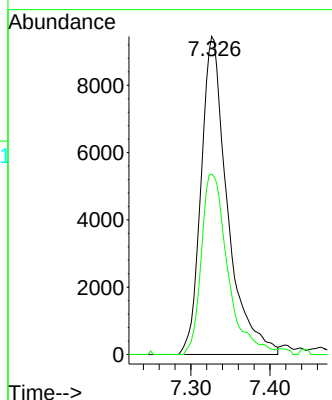


#42
 Toluene
 Concen: 0.705 ug/L
 RT: 7.326 min Scan# 1955
 Delta R.T. 0.016 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Instrument : MSVOA_V
 ClientSampleId : MDL04

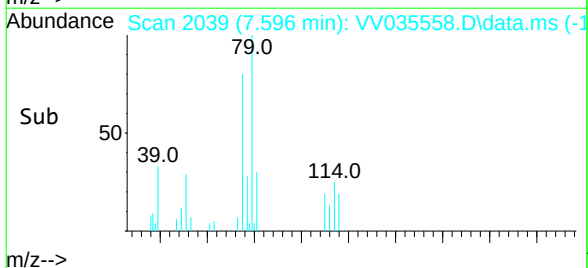
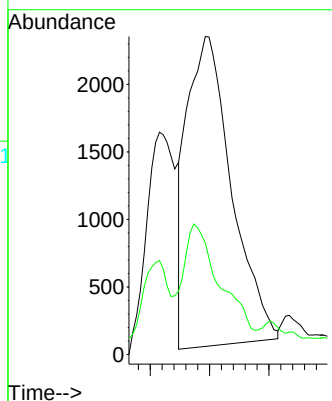
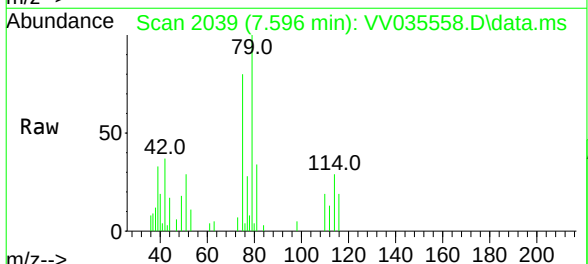


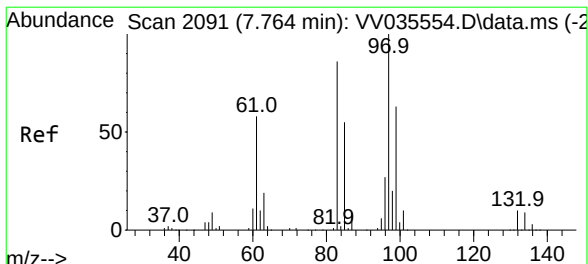
Tgt Ion:	91	Resp:	21856
Ion	Ratio	Lower	Upper
91	100		
92	56.7	40.2	74.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.574 ug/L
 RT: 7.596 min Scan# 2039
 Delta R.T. 0.019 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion:	75	Resp:	6000
Ion	Ratio	Lower	Upper
75	100		
77	35.1	22.4	41.6

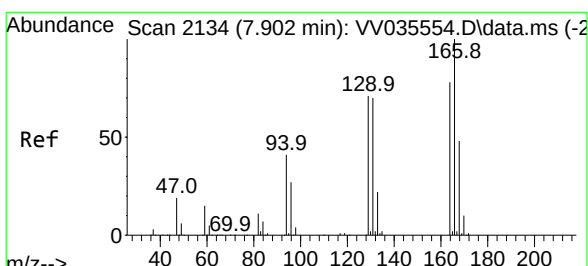
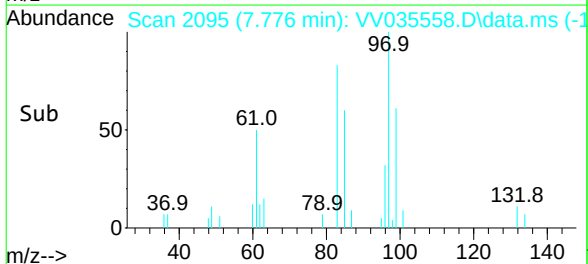
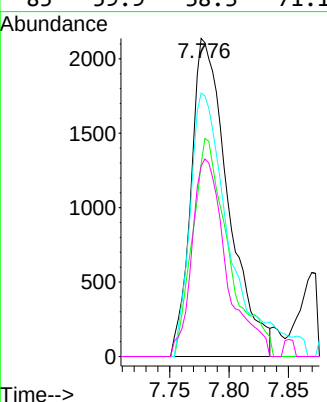
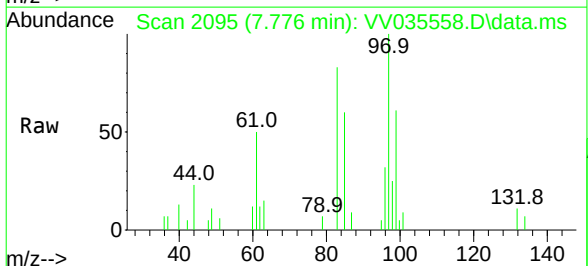




#45
 1,1,2-Trichloroethane
 Concen: 0.716 ug/L
 RT: 7.776 min Scan# 2095
 Delta R.T. 0.013 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

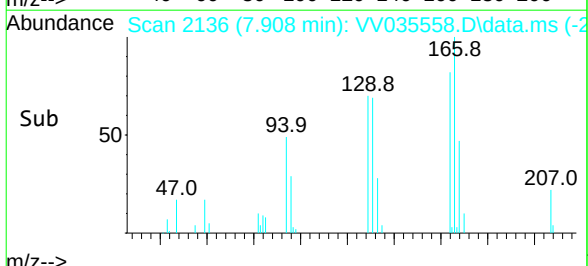
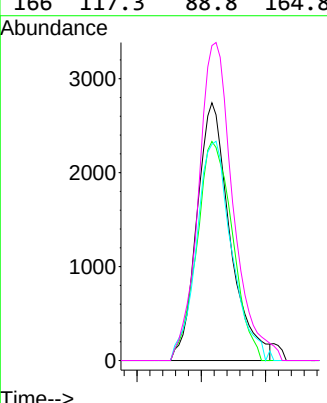
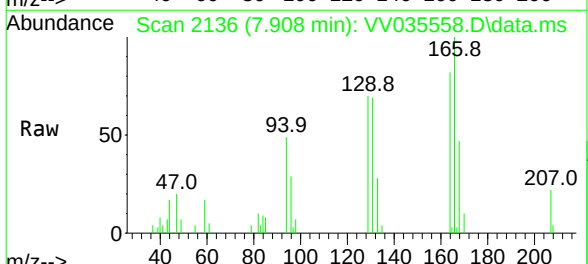
Instrument : MSVOA_V
 ClientSampleId : MDL04

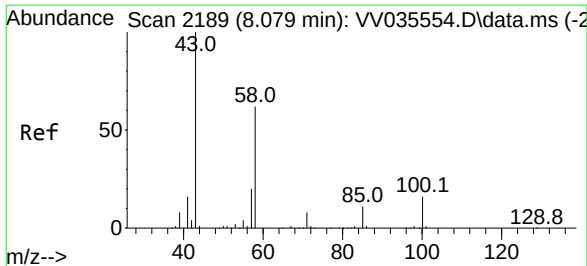
Tgt Ion:	97	Resp:	4649
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.3	80.3
83	82.8	60.3	111.9
85	59.9	38.3	71.1



#46
 Tetrachloroethene
 Concen: 0.729 ug/L
 RT: 7.908 min Scan# 2136
 Delta R.T. 0.006 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion:	164	Resp:	4910
Ion	Ratio	Lower	Upper
164	100		
129	81.6	63.4	117.8
131	80.5	61.0	113.4
166	117.3	88.8	164.8





#48

2-Hexanone

Concen: 2.027 ug/L m

RT: 8.098 min Scan# 21

Delta R.T. 0.019 min

Lab File: VV035558.D

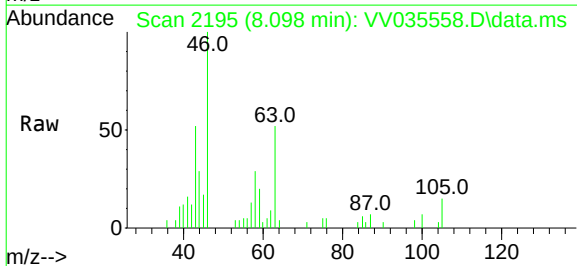
Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL04



Tgt Ion: 43 Resp: 6959

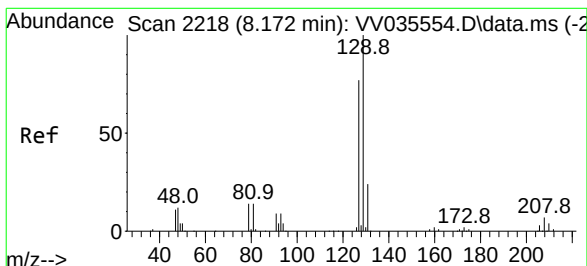
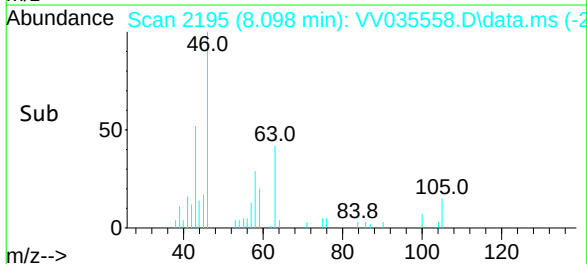
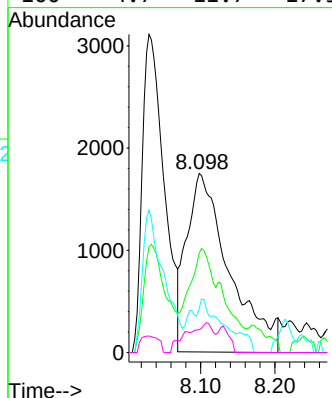
Ion Ratio Lower Upper

43 100

58 16.1 48.8 73.2#

57 1.9 16.9 25.3#

100 4.7 11.7 17.5#



#49

Dibromochloromethane

Concen: 0.756 ug/L

RT: 8.182 min Scan# 2221

Delta R.T. 0.010 min

Lab File: VV035558.D

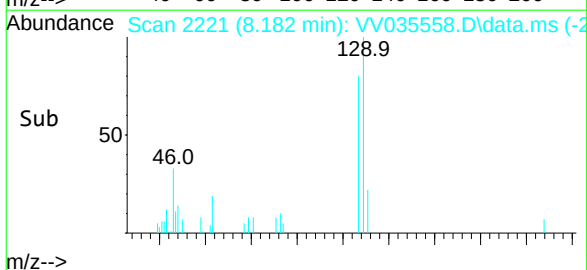
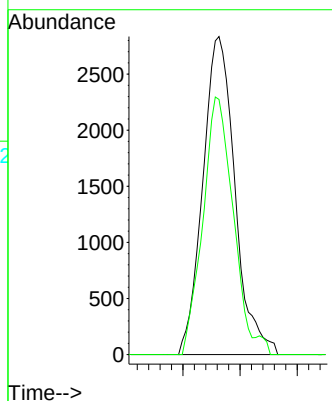
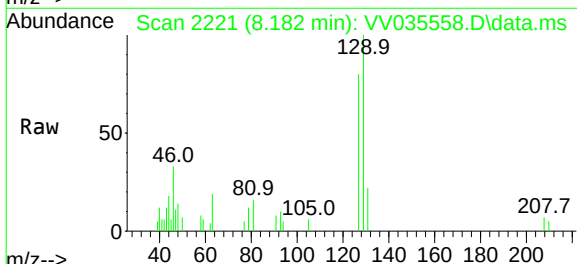
Acq: 08 May 2024 17:01

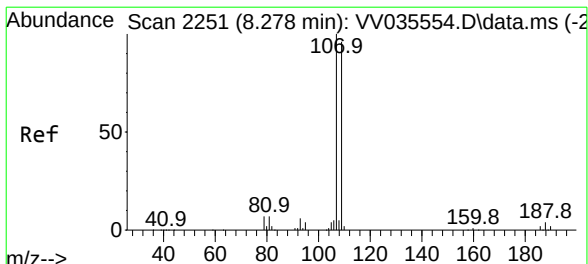
Tgt Ion: 129 Resp: 5538

Ion Ratio Lower Upper

129 100

127 80.2 53.8 99.8

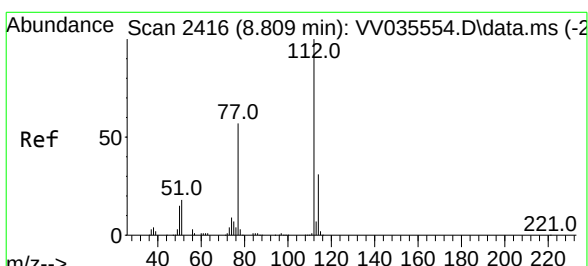
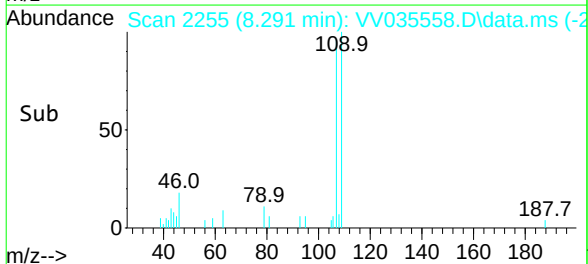
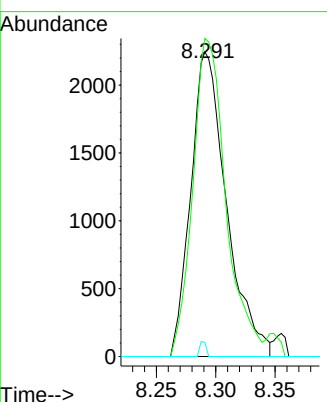
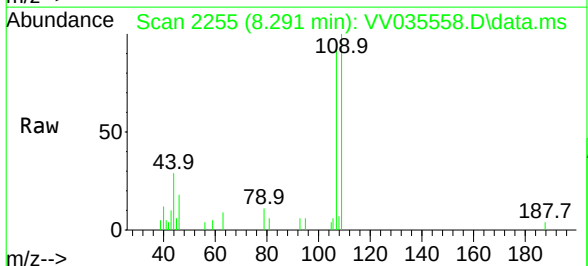




#50
 1,2-Dibromoethane
 Concen: 0.734 ug/L
 RT: 8.291 min Scan# 2251
 Delta R.T. 0.013 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

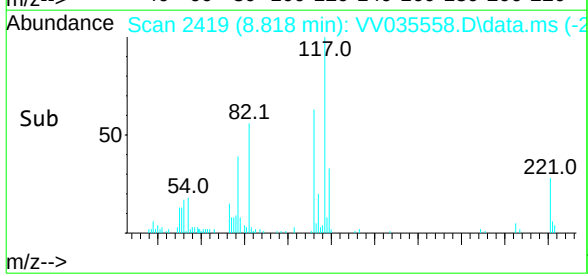
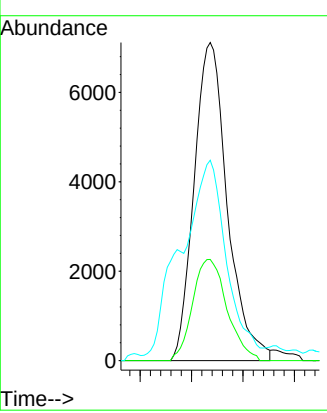
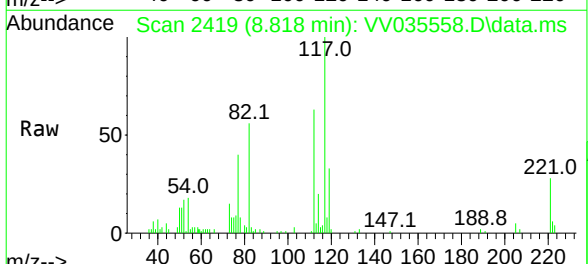
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

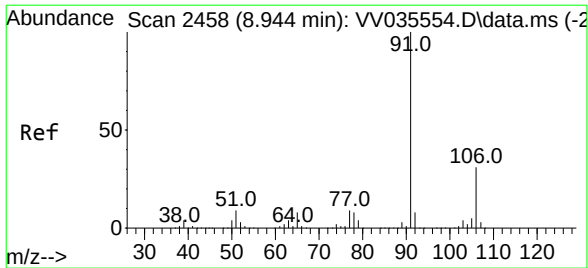
Tgt Ion:	107	Resp:	4695
Ion Ratio	Lower	Upper	
107	100		
109	104.4	65.4	121.4
188	4.7	2.9	4.3



#51
 Chlorobenzene
 Concen: 0.742 ug/L
 RT: 8.818 min Scan# 2419
 Delta R.T. 0.010 min
 Lab File: VV035558.D
 Acq: 08 May 2024 17:01

Tgt Ion:	112	Resp:	15971
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.5	41.7
77	63.0	46.6	69.8

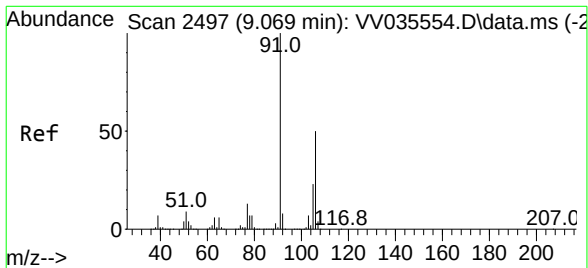
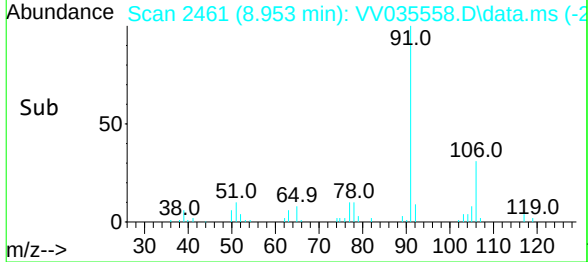
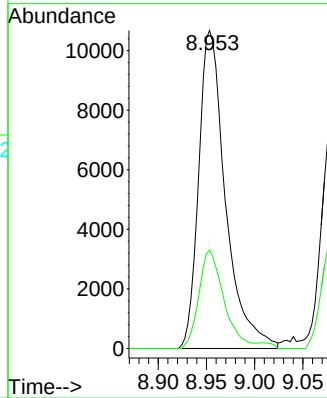
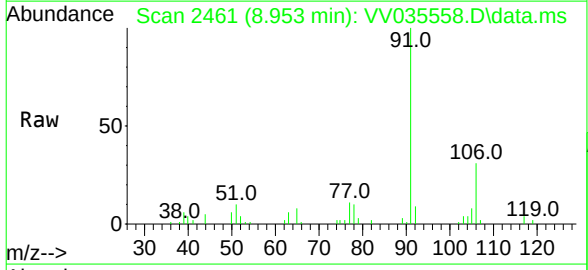




#52
Ethylbenzene
Concen: 0.603 ug/L
RT: 8.953 min Scan# 2458
Delta R.T. 0.010 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

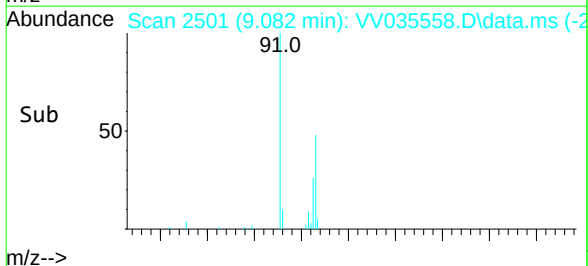
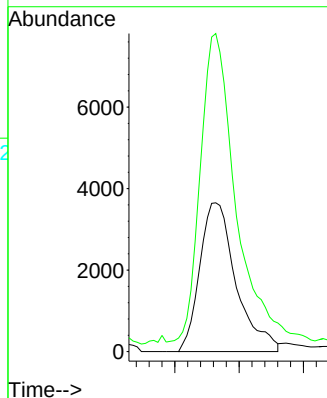
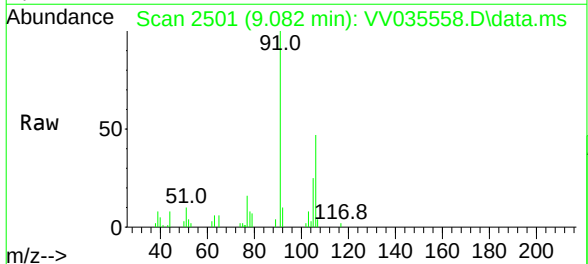
Instrument :
MSVOA_V
ClientSampleId :
MDL04

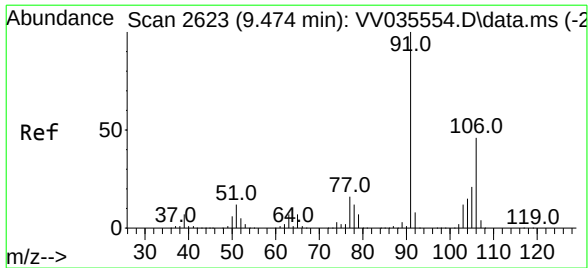
Tgt Ion: 91 Resp: 20639
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 0.552 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.013 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion: 106 Resp: 7177
Ion Ratio Lower Upper
106 100
91 213.8 142.7 264.9

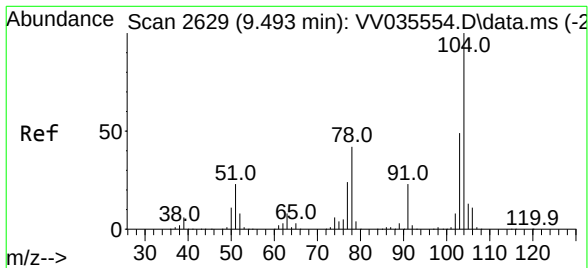
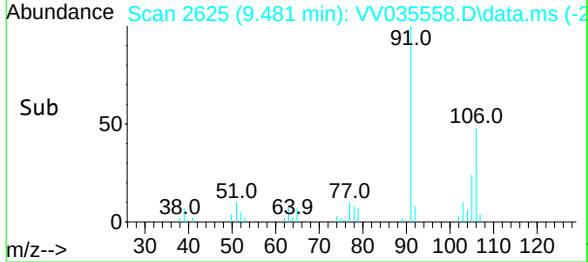
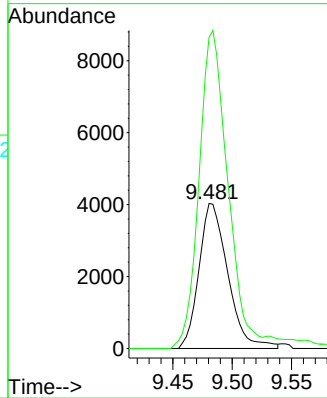
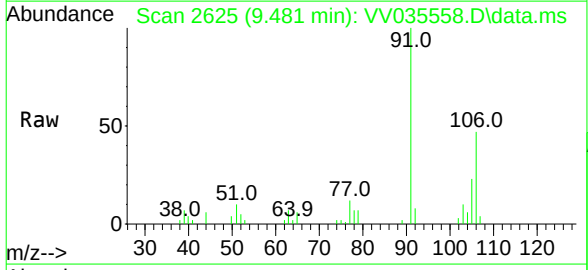




#54
o-Xylene
Concen: 0.554 ug/L
RT: 9.481 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

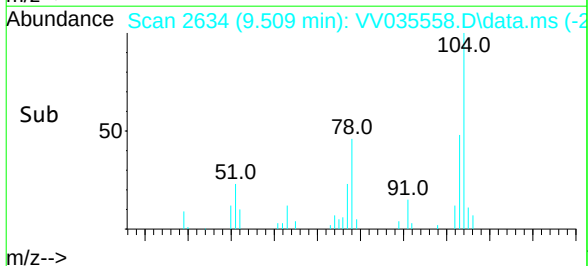
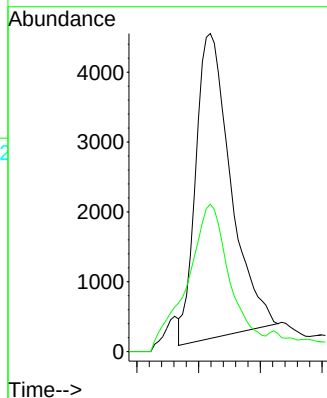
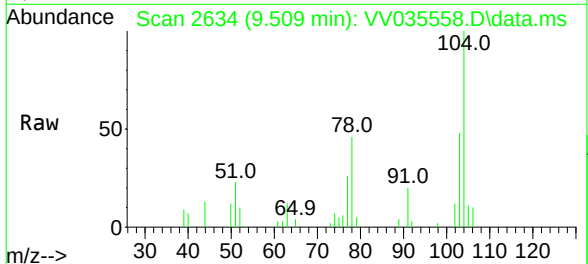
Instrument :
MSVOA_V
ClientSampleId :
MDL04

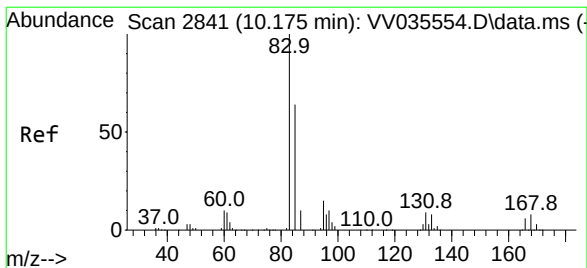
Tgt Ion:106 Resp: 6821
Ion Ratio Lower Upper
106 100
91 214.5 150.9 280.3



#55
Styrene
Concen: 0.400 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion:104 Resp: 8598
Ion Ratio Lower Upper
104 100
78 46.3 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.793 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

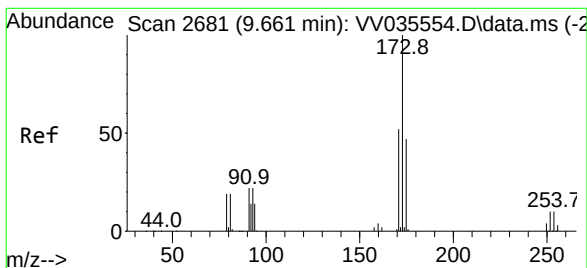
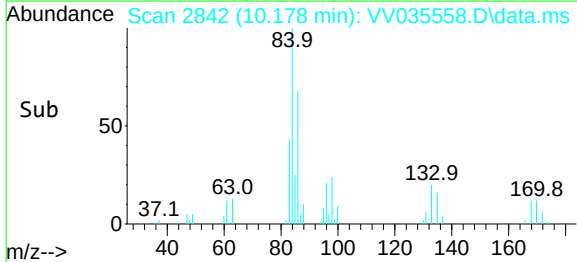
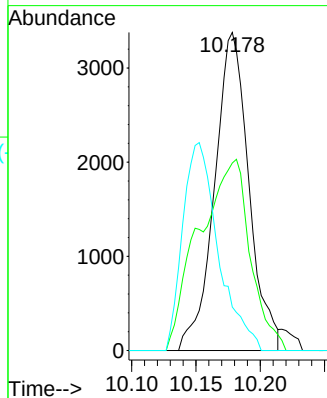
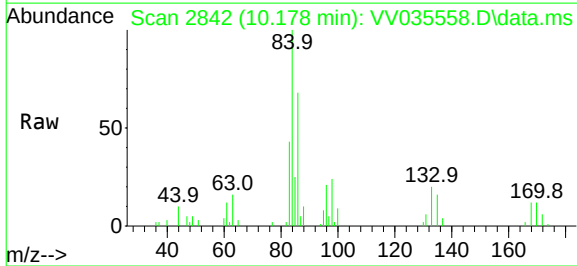
Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:	83	Resp:	6273
Ion	Ratio	Lower	Upper
83	100		
85	58.9	44.7	83.1
131	13.7	8.0	12.0



#59

Bromoform

Concen: 0.742 ug/L

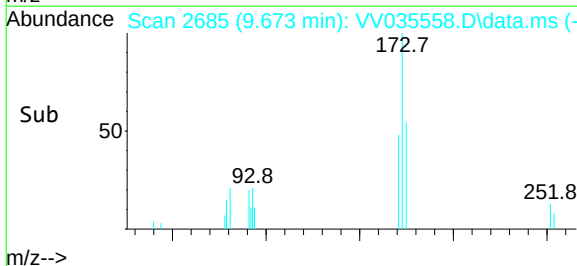
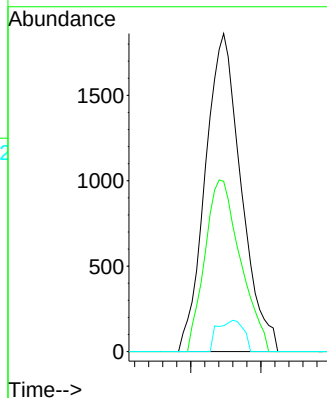
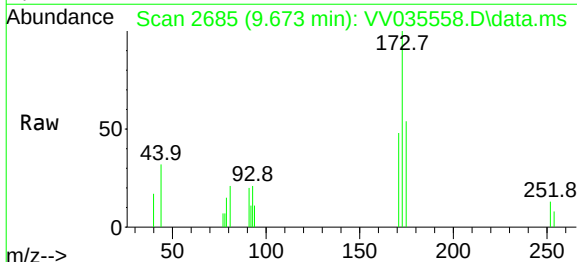
RT: 9.673 min Scan# 2685

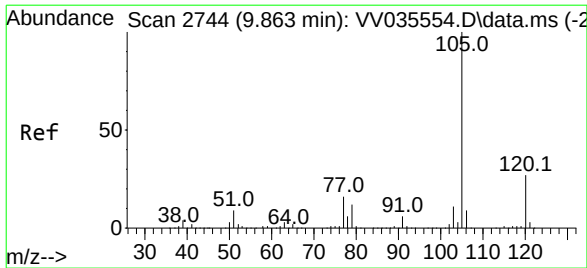
Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Tgt Ion:	173	Resp:	3307
Ion	Ratio	Lower	Upper
173	100		
175	53.4	38.7	58.1
254	1.7	8.3	12.5

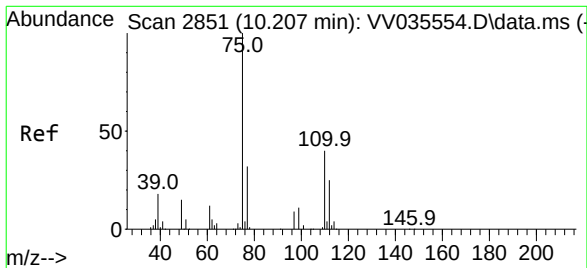
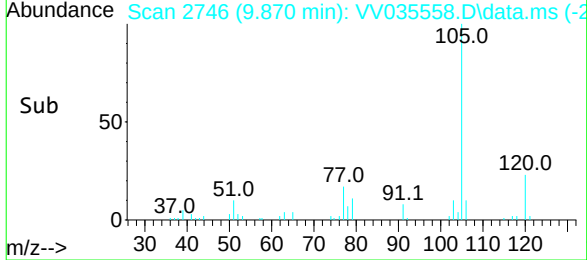
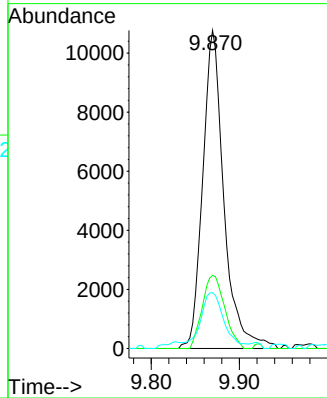
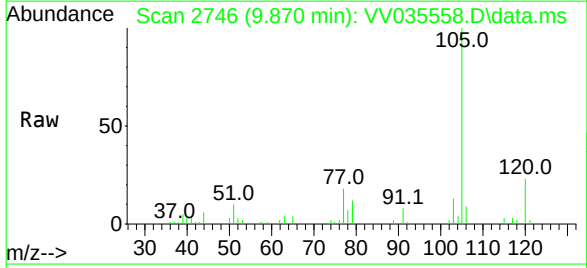




#60
Isopropylbenzene
Concen: 0.594 ug/L
RT: 9.870 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

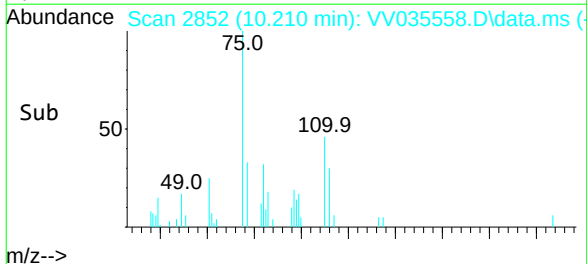
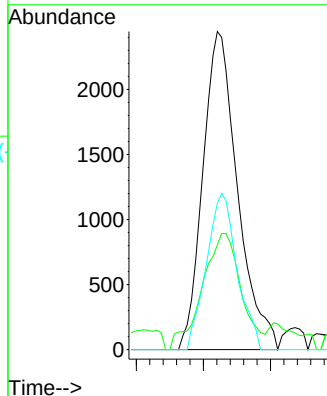
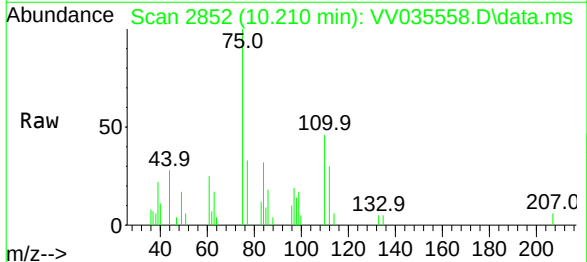
Instrument :
MSVOA_V
ClientSampleId :
MDL04

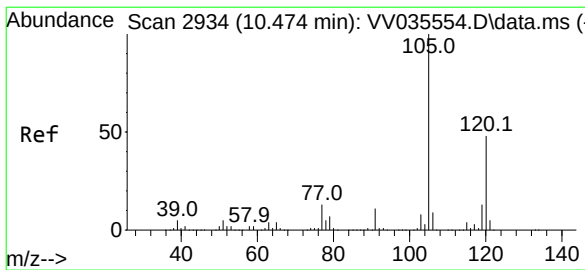
Tgt Ion:	105	Resp:	17943
Ion Ratio	Lower	Upper	
105	100		
120	24.4	21.3	31.9
77	19.2	12.2	18.2



#61
1,2,3-Trichloropropane
Concen: 0.825 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 17:01

Tgt Ion:	75	Resp:	4380
Ion Ratio	Lower	Upper	
75	100		
77	29.5	25.7	38.5
110	43.4	31.8	47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.540 ug/L

RT: 10.480 min Scan# 29

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

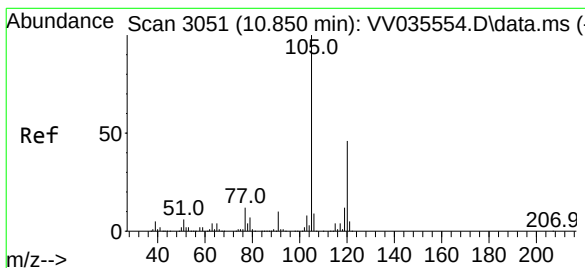
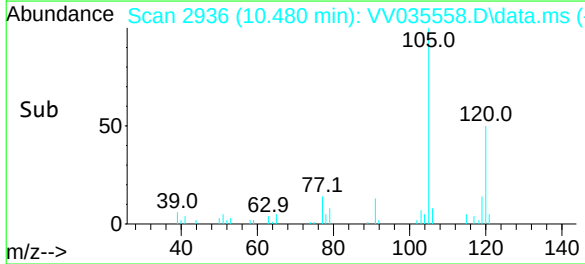
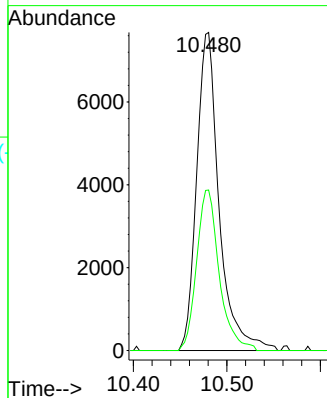
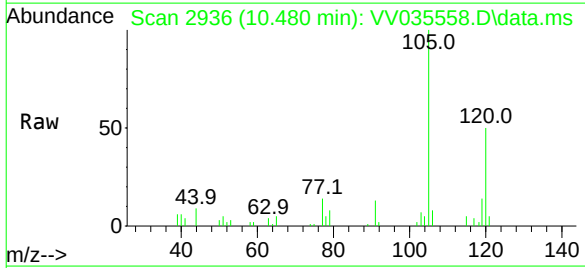
MDL04

Tgt Ion:105 Resp: 12781

Ion Ratio Lower Upper

105 100

120 50.9 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.526 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV035558.D

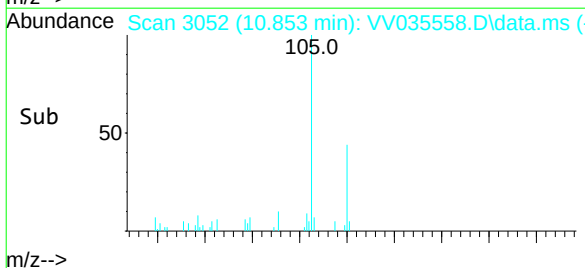
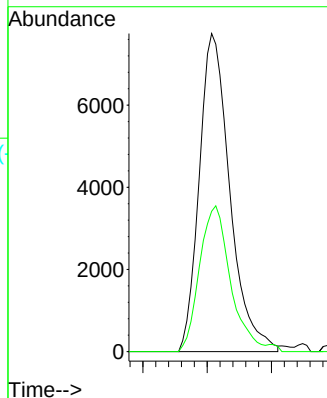
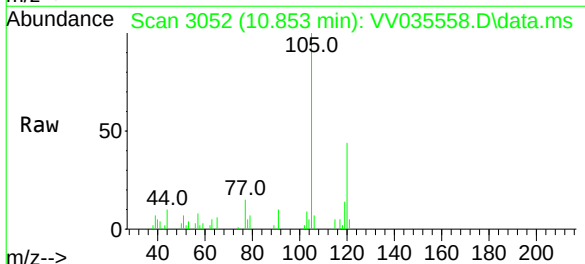
Acq: 08 May 2024 17:01

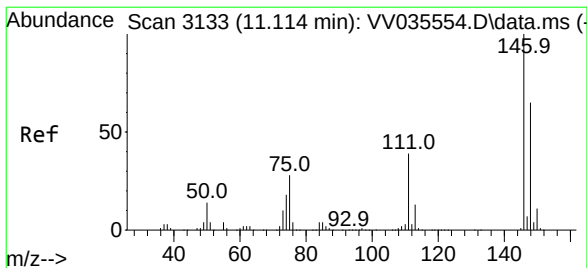
Tgt Ion:105 Resp: 12801

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 0.706 ug/L

RT: 11.124 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL04

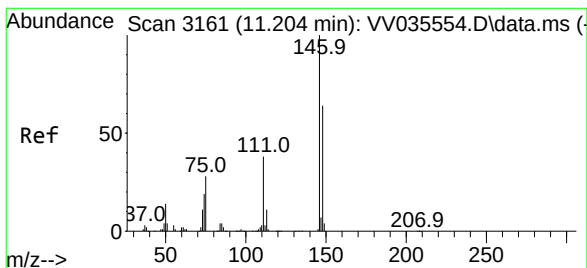
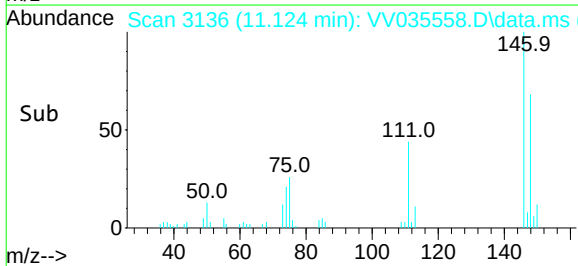
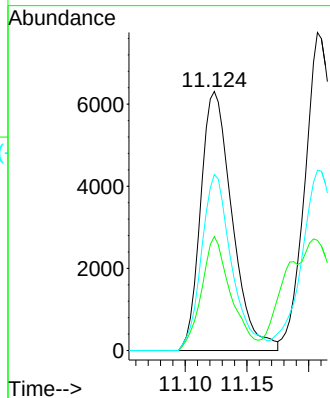
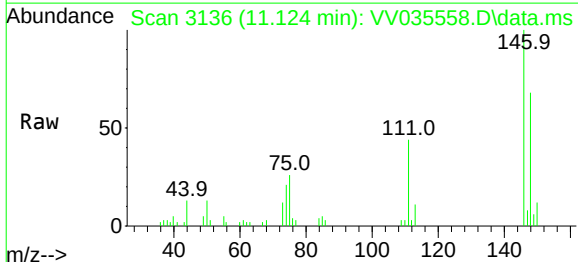
Tgt Ion:146 Resp: 11192

Ion Ratio Lower Upper

146 100

111 44.0 27.0 50.2

148 67.9 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 0.866 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

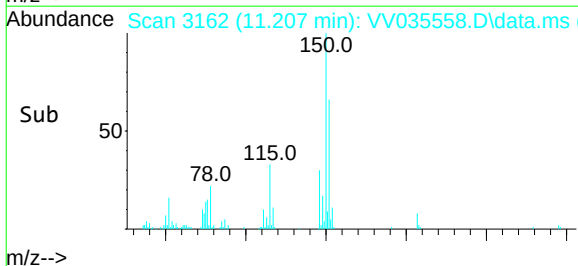
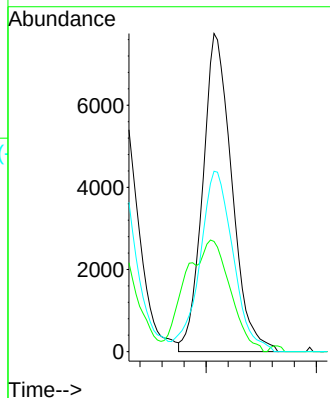
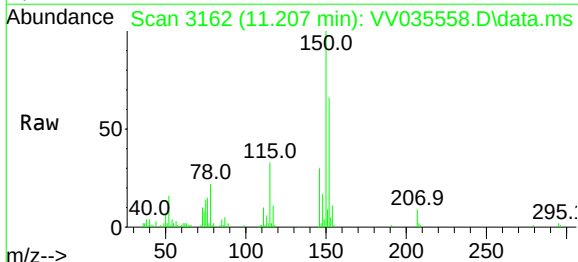
Tgt Ion:146 Resp: 14211

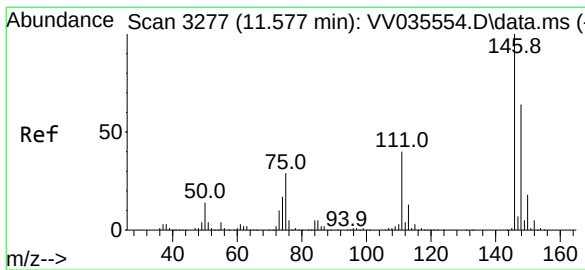
Ion Ratio Lower Upper

146 100

111 34.6 26.2 48.6

148 56.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 0.807 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035558.D

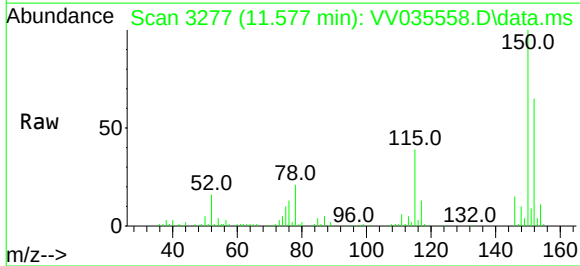
Acq: 08 May 2024 17:01

Instrument :

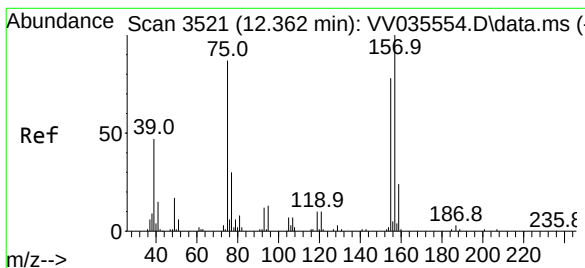
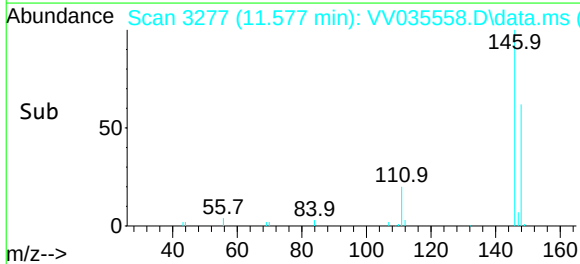
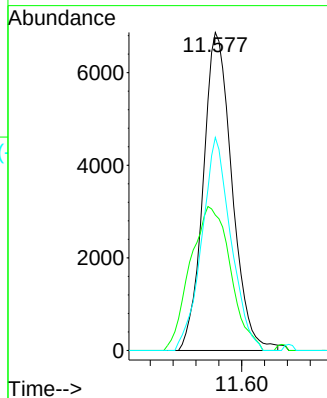
MSVOA_V

ClientSampleId :

MDL04



Tgt Ion:	146	Resp:	12030
Ion	Ratio	Lower	Upper
146	100		
111	42.6	32.6	48.8
148	67.0	51.1	76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.847 ug/L

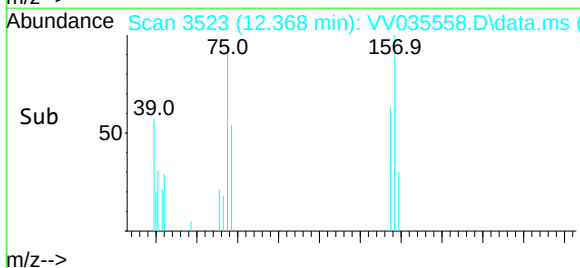
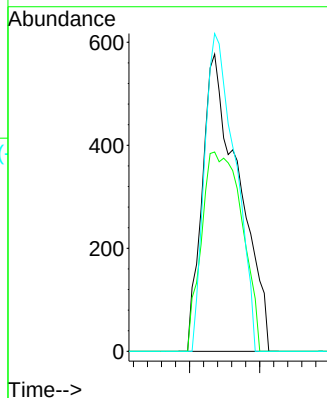
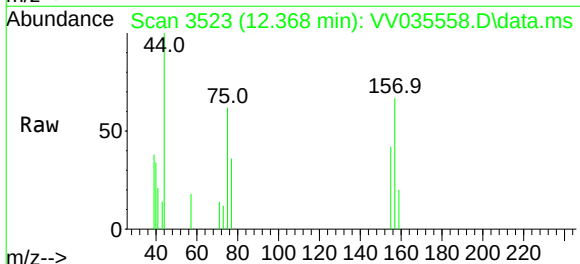
RT: 12.368 min Scan# 3523

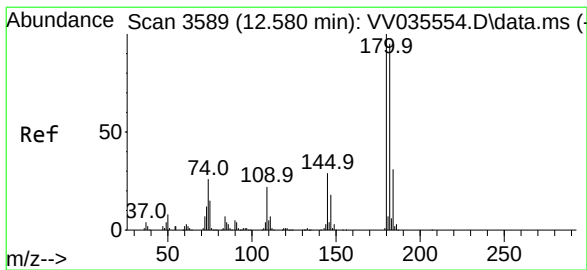
Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Tgt Ion:	75	Resp:	1044
Ion	Ratio	Lower	Upper
75	100		
155	67.1	69.8	104.6
157	106.9	95.0	142.6





#69

1,3,5-Trichlorobenzene

Concen: 0.714 ug/L

RT: 12.583 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:180 Resp: 8845

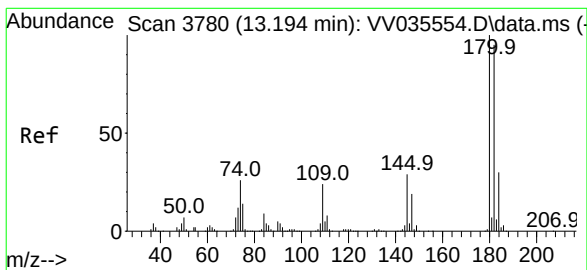
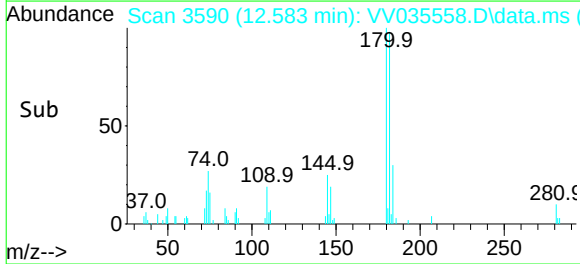
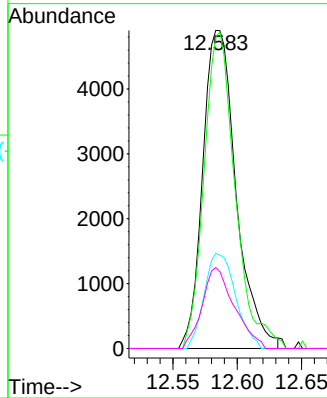
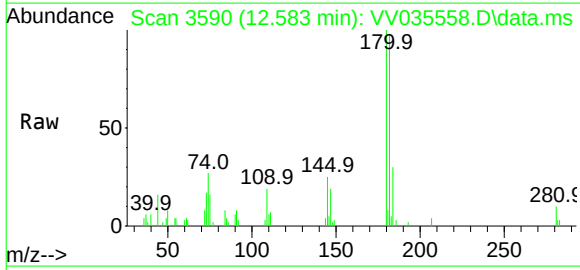
Ion Ratio Lower Upper

180 100

182 89.6 76.2 114.2

184 28.1 24.1 36.1

145 24.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 0.681 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

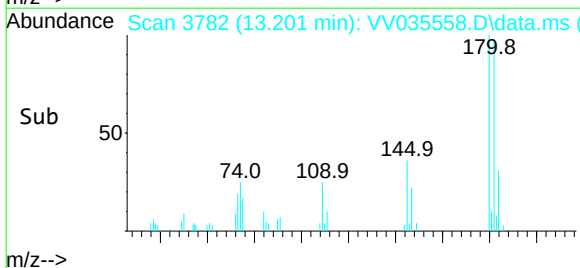
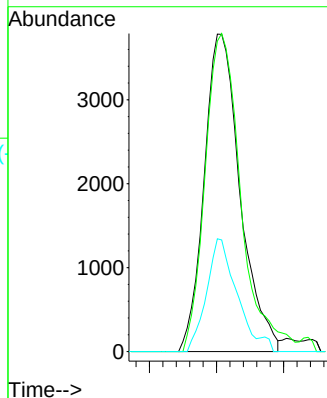
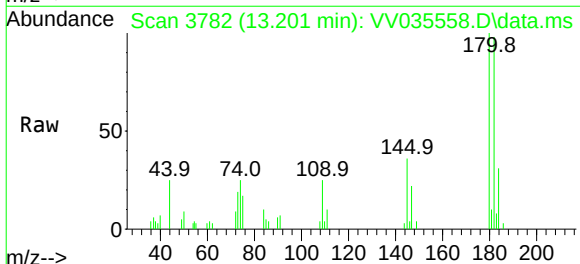
Tgt Ion:180 Resp: 7040

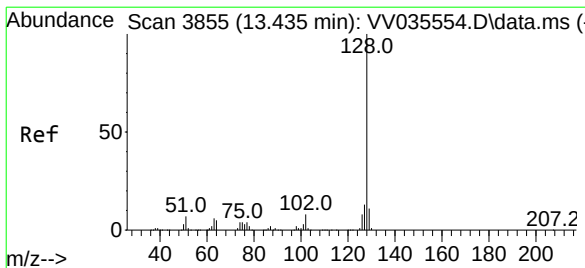
Ion Ratio Lower Upper

180 100

182 99.6 76.6 114.8

145 29.0 23.2 34.8





#71

Naphthalene

Concen: 0.634 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

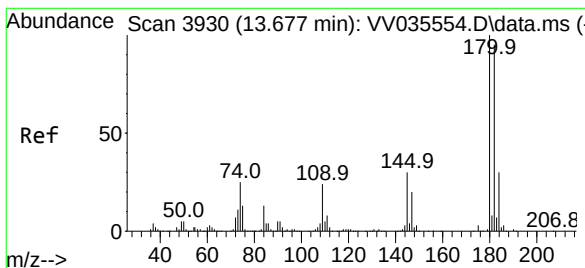
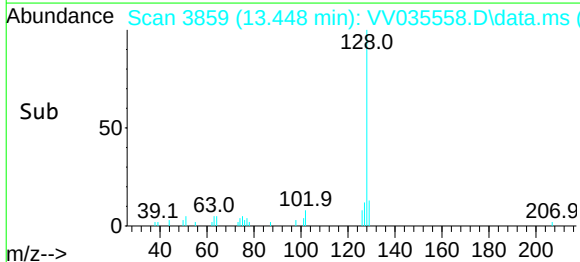
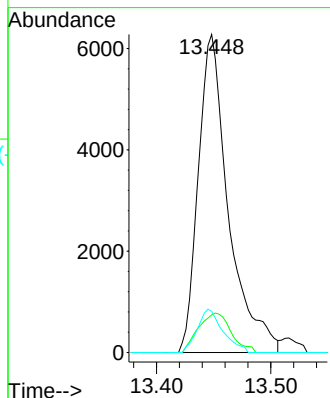
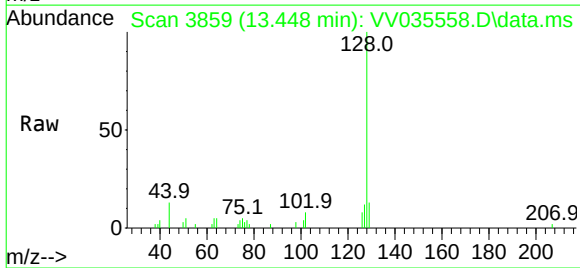
Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:	128	Resp:	11511
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.5	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 0.692 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 17:01

Tgt Ion:	180	Resp:	6440
Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.8	113.6
145	36.1	25.2	37.8

