

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061024\
 Data File : VV036019.D
 Acq On : 10 Jun 2024 09:21
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 11 04:58:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	504308	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	492479	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	250881	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	177109	19.102	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.400%
7) Chloroethane-d5	1.526	69	157068	21.246	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.050	65	81479	19.740	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.960%
21) 2-Butanone-d5	3.841	46	92014	43.255	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.500%
24) Chloroform-d	4.239	84	370357	23.100	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	4.931	65	193470	23.015	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.080%
32) Benzene-d6	4.950	84	706126	24.121	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.480%
36) 1,2-Dichloropropane-d6	5.982	67	226660	24.587	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.360%
41) Toluene-d8	7.236	98	620294	24.015	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.040%
43) trans-1,3-Dichloroprop...	7.548	79	91807	24.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.160%
47) 2-Hexanone-d5	8.027	63	62997	50.438	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.880%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	161331	23.419	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.680%
66) 1,2-Dichlorobenzene-d4	11.554	152	215006	23.370	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	163444	17.975	ug/L	100
3) Chloromethane	1.211	50	222303	21.302	ug/L	100
5) Vinyl chloride	1.278	62	235104	21.400	ug/L	100
6) Bromomethane	1.484	94	150232	22.043	ug/L	100
8) Chloroethane	1.542	64	155053	22.706	ug/L	99
9) Trichlorofluoromethane	1.706	101	285780	20.947	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	183549	21.198	ug/L	99
12) 1,1-Dichloroethene	2.060	96	175604	21.745	ug/L	96
13) Acetone	2.162	43	144471	43.599	ug/L #	69
14) Carbon disulfide	2.233	76	593532	21.164	ug/L	100
15) Methyl Acetate	2.384	43	91689	22.261	ug/L	99
16) Methylene chloride	2.439	84	238248	20.878	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	196675	22.926	ug/L	99
18) Methyl tert-butyl Ether	2.696	73	493993	25.650	ug/L	99
19) 1,1-Dichloroethane	3.101	63	392114	24.002	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	212346	24.634	ug/L	97
23) Bromochloromethane	4.140	128	104947	24.272	ug/L	96
25) Chloroform	4.265	83	397729	23.667	ug/L	99
27) 1,2-Dichloroethane	5.034	62	254981	24.303	ug/L	100

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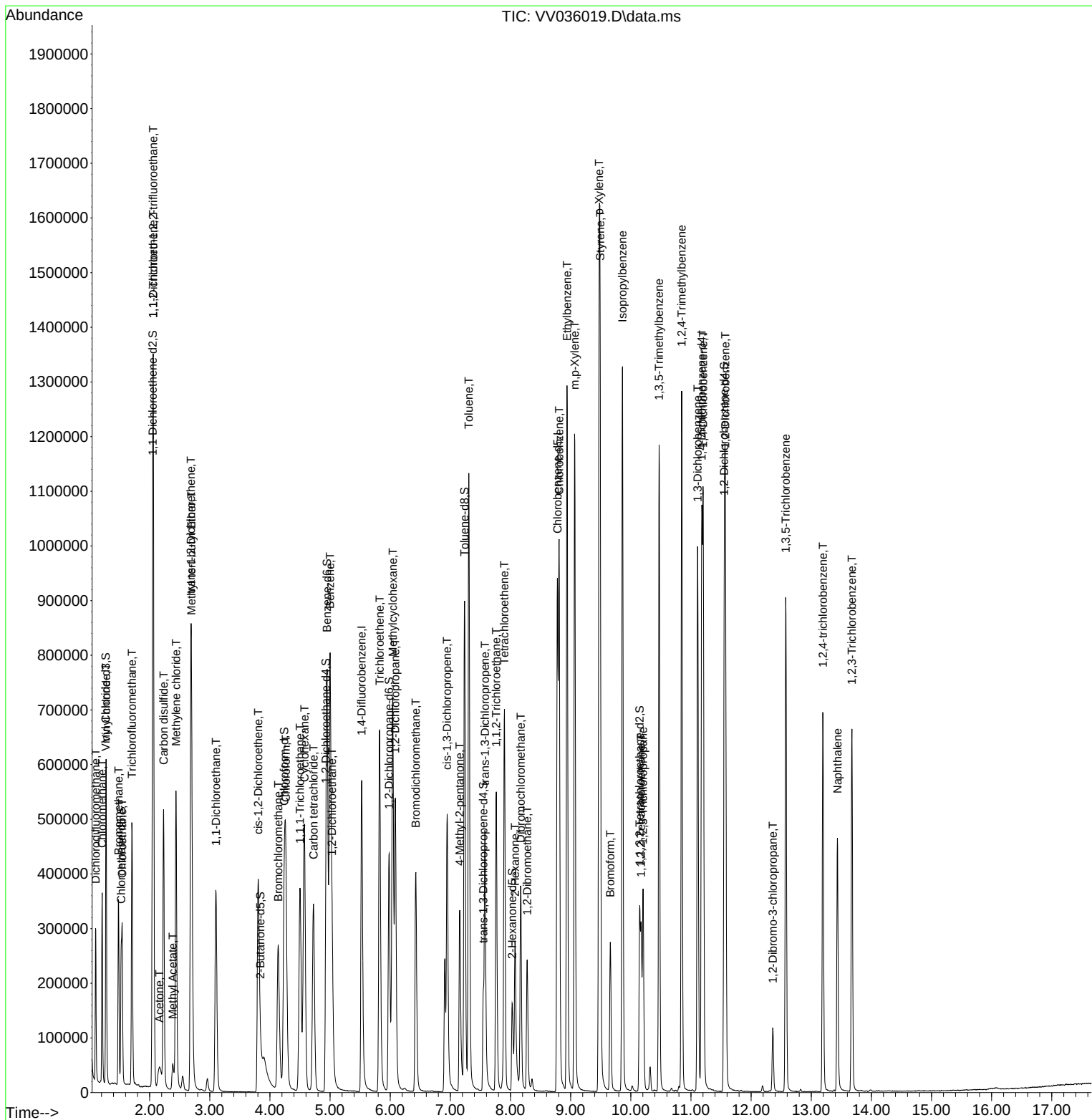
Instrument :
 MSVOA_V
 ClientSampleId :

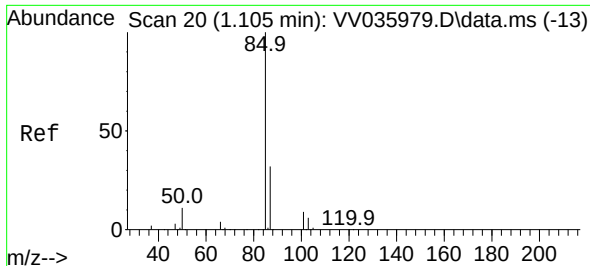
Quant Time: Jun 11 04:58:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	268429	22.892	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	317711	23.598	ug/L	100
31) Carbon tetrachloride	4.725	117	270217	22.878	ug/L	100
33) Benzene	4.998	78	828487	25.722	ug/L	100
34) Trichloroethene	5.825	95	239263	24.237	ug/L	99
35) Methylcyclohexane	6.043	83	300458	22.009	ug/L	99
37) 1,2-Dichloropropane	6.085	63	226268	26.753	ug/L	100
38) Bromodichloromethane	6.426	83	286622	25.604	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	336597	26.609	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	244958	53.309	ug/L	99
42) Toluene	7.307	91	847657	25.755	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	294436	26.947	ug/L	97
45) 1,1,2-Trichloroethane	7.763	97	174249	24.900	ug/L	99
46) Tetrachloroethene	7.899	164	158326	21.929	ug/L	99
48) 2-Hexanone	8.075	43	192938	53.709	ug/L	99
49) Dibromochloromethane	8.172	129	191871	25.052	ug/L	100
50) 1,2-Dibromoethane	8.278	107	168039	25.026	ug/L	100
51) Chlorobenzene	8.808	112	543255	24.225	ug/L	99
52) Ethylbenzene	8.940	91	889206	25.252	ug/L	99
53) m,p-Xylene	9.066	106	333692	25.220	ug/L	99
54) o-Xylene	9.474	106	318407	25.519	ug/L	99
55) Styrene	9.490	104	575816	26.169	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	151689	24.208	ug/L	99
59) Bromoform	9.660	173	122616	25.916	ug/L	99
60) Isopropylbenzene	9.863	105	829599	25.775	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	154017	25.957	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	597356	25.594	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	655033	26.048	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	409200	24.209	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	421290	24.147	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	385082	24.210	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31126	23.459	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	277190	21.923	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	210396	21.134	ug/L	100
71) Naphthalene	13.435	128	366060	22.531	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	197362	21.725	ug/L	99

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

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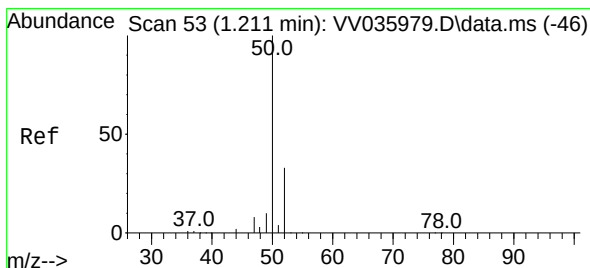
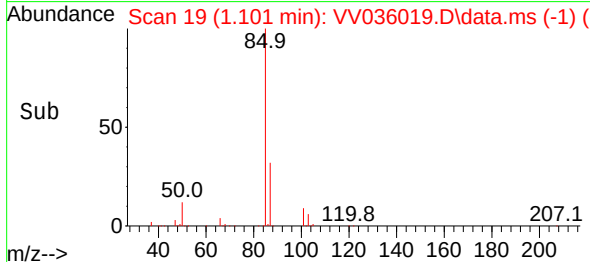
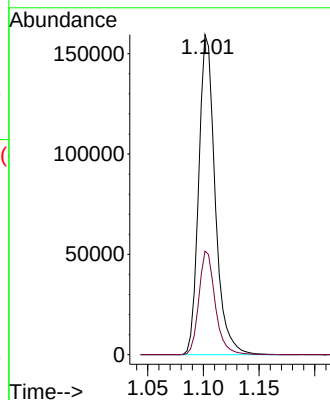
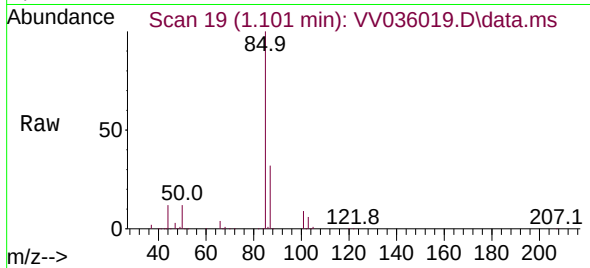




#2
Dichlorodifluoromethane
Concen: 17.975 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

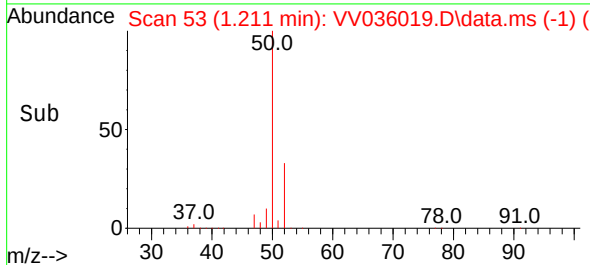
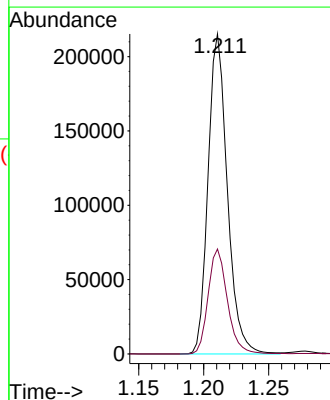
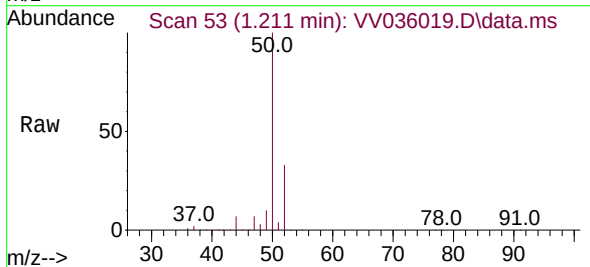
Instrument :
MSVOA_V
ClientSampleId :

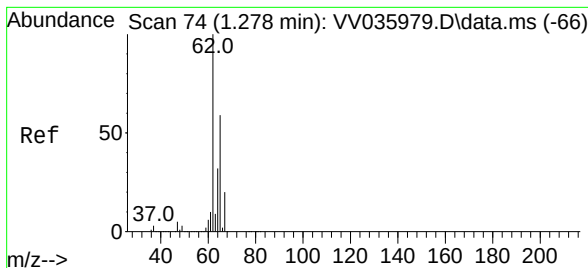
Tgt Ion: 85 Resp: 163444
Ion Ratio Lower Upper
85 100
87 32.2 25.9 38.9



#3
Chloromethane
Concen: 21.302 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion: 50 Resp: 222303
Ion Ratio Lower Upper
50 100
52 32.8 22.8 42.4





#5

Vinyl chloride

Concen: 21.400 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

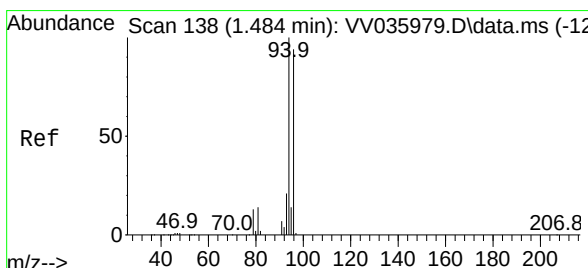
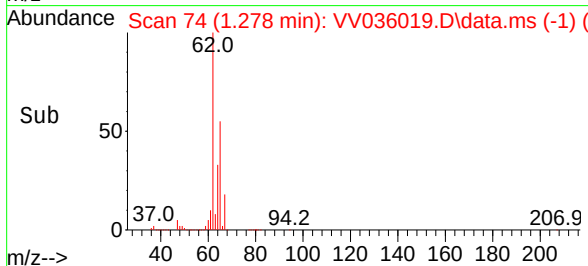
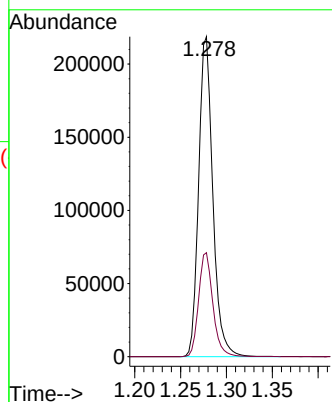
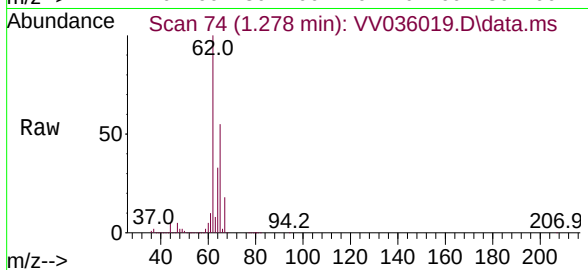
ClientSampleId :

Tgt Ion: 62 Resp: 235104

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#6

Bromomethane

Concen: 22.043 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV036019.D

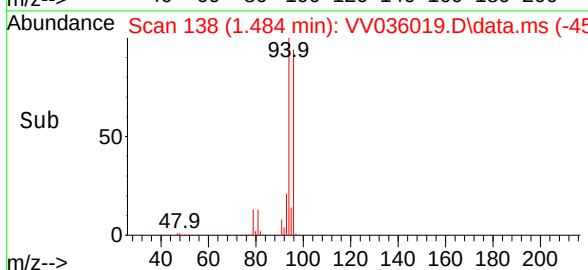
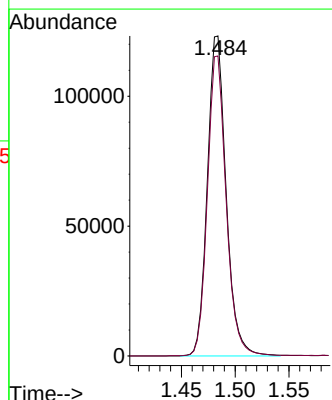
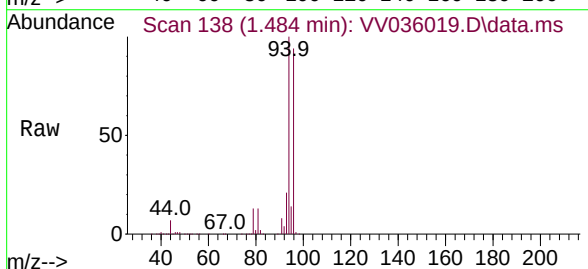
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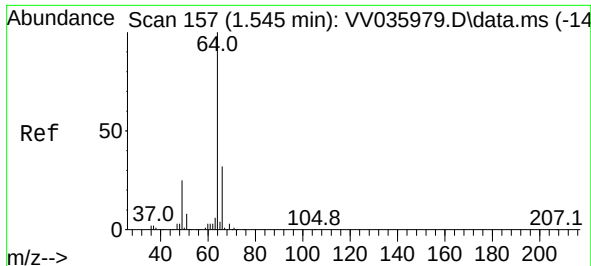
Tgt Ion: 94 Resp: 150232

Ion Ratio Lower Upper

94 100

96 93.8 65.7 122.1

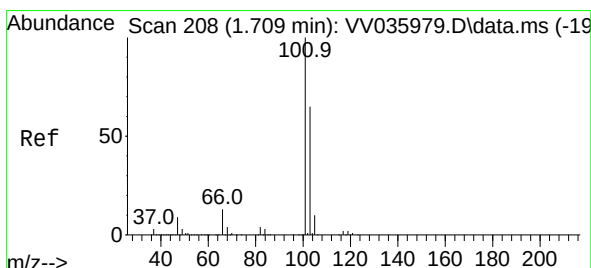
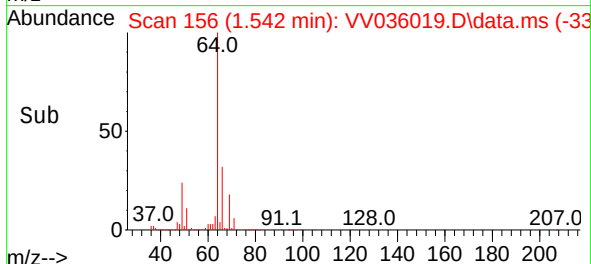
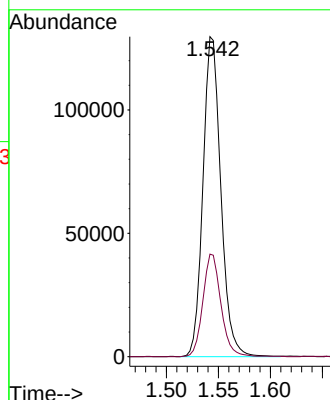
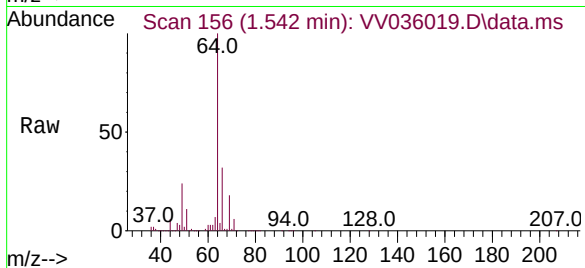




#8
Chloroethane
Concen: 22.706 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

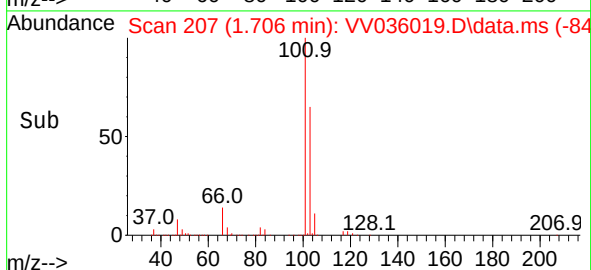
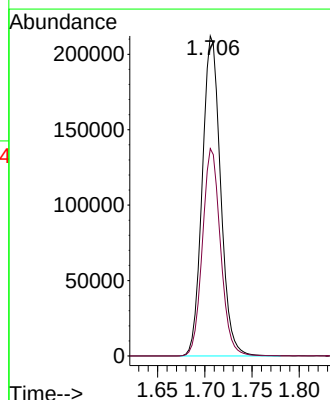
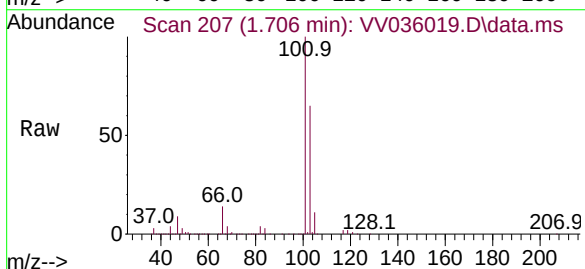
Instrument :
MSVOA_V
ClientSampleId :

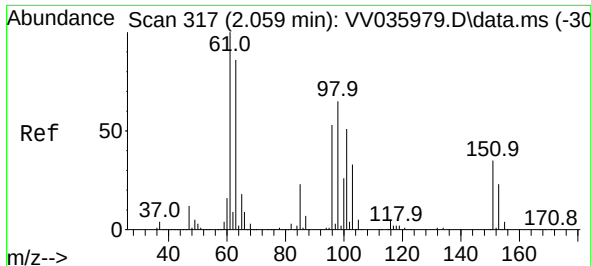
Tgt Ion: 64 Resp: 155053
Ion Ratio Lower Upper
64 100
66 32.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 20.947 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion:101 Resp: 285780
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

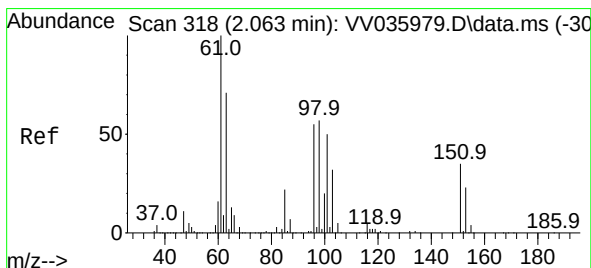
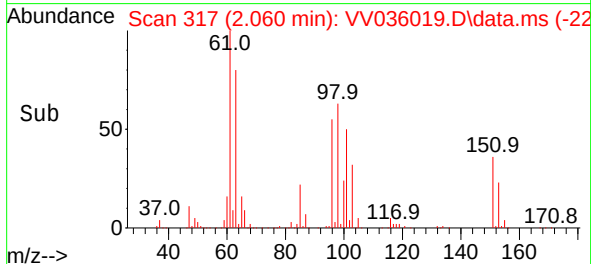
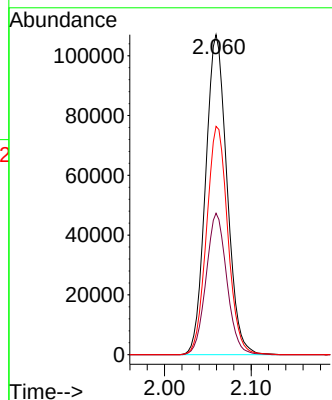
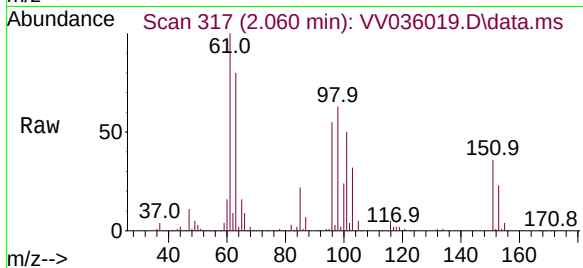




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.198 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

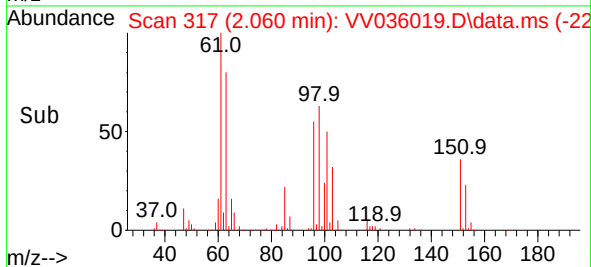
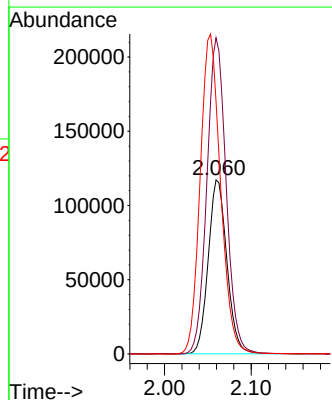
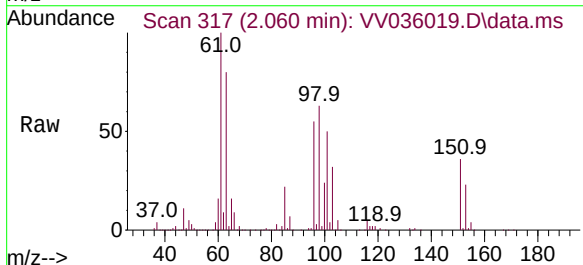
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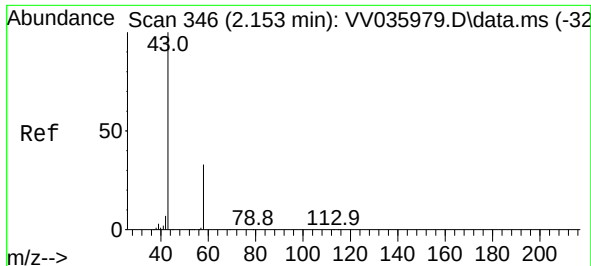
Tgt Ion:101 Resp: 183549
Ion Ratio Lower Upper
101 100
85 43.0 34.5 51.7
151 71.1 56.3 84.5



#12
1,1-Dichloroethene
Concen: 21.745 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion: 96 Resp: 175604
Ion Ratio Lower Upper
96 100
61 181.6 127.3 236.3
63 145.0 93.7 173.9





#13

Acetone

Concen: 43.599 ug/L

RT: 2.162 min Scan# 346

Delta R.T. 0.013 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

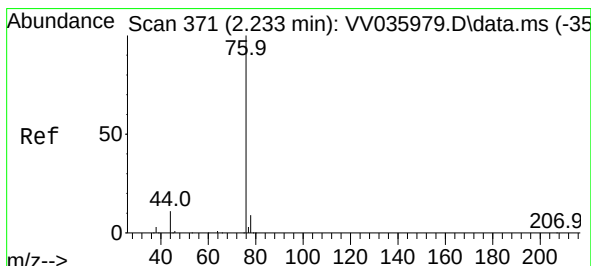
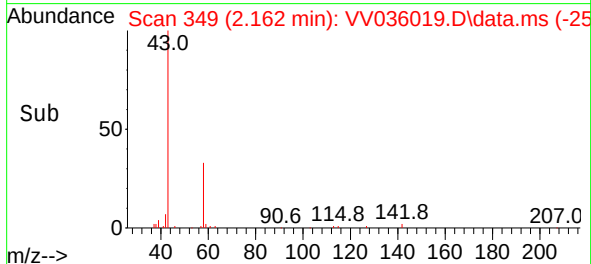
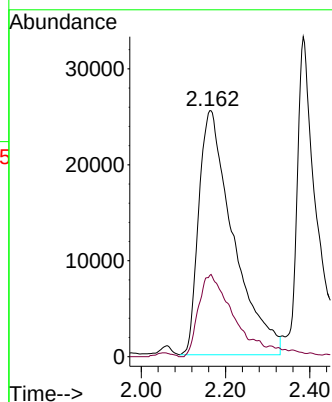
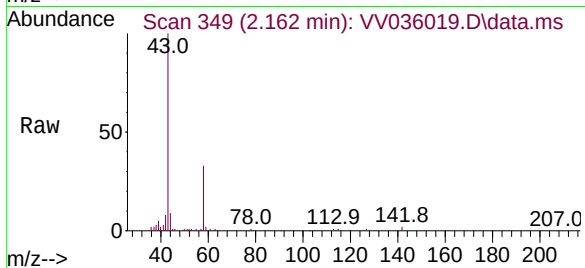
ClientSampleId :

Tgt Ion: 43 Resp: 144471

Ion Ratio Lower Upper

43 100

58 0.0 0.0 24.2



#14

Carbon disulfide

Concen: 21.164 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV036019.D

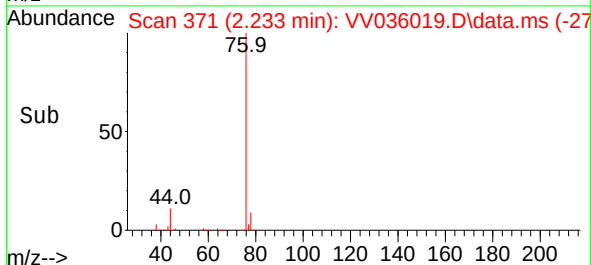
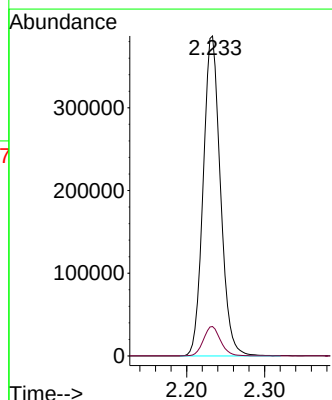
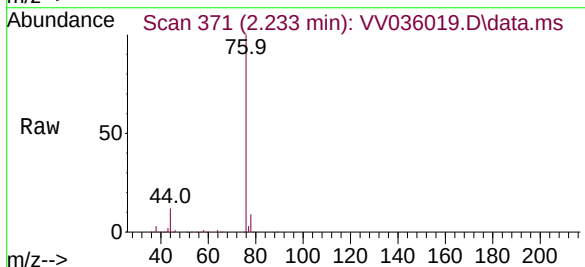
Acq: 10 Jun 2024 09:21

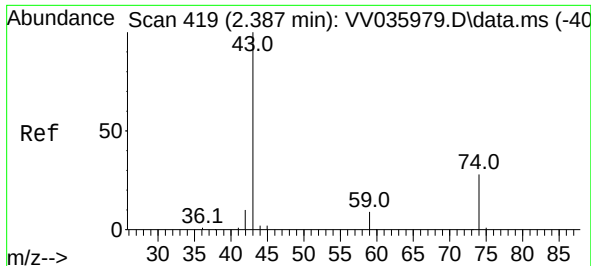
Tgt Ion: 76 Resp: 593532

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 22.261 ug/L

RT: 2.384 min Scan# 419

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

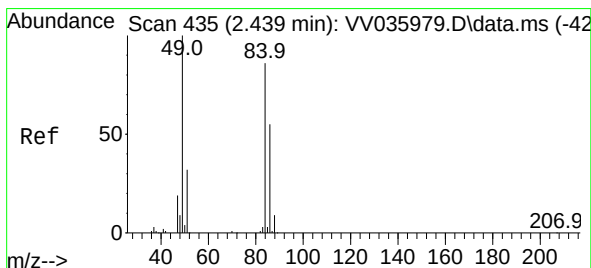
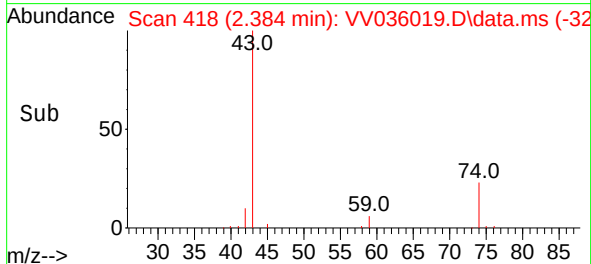
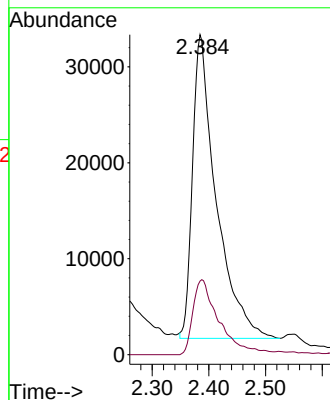
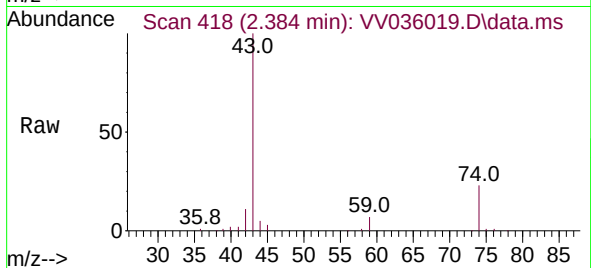
ClientSampleId :

Tgt Ion: 43 Resp: 91689

Ion Ratio Lower Upper

43 100

74 26.4 21.4 32.2



#16

Methylene chloride

Concen: 20.878 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

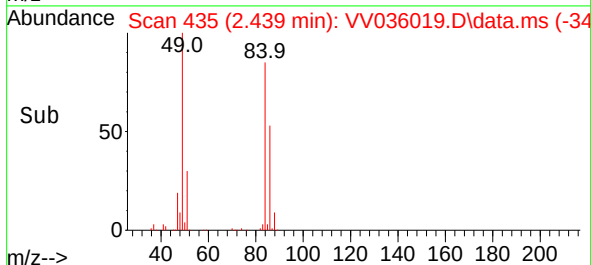
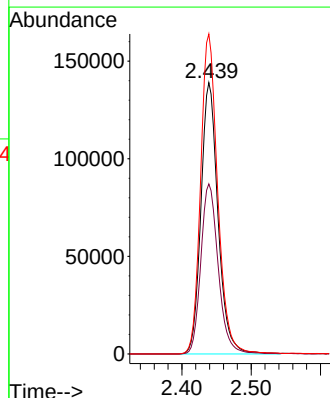
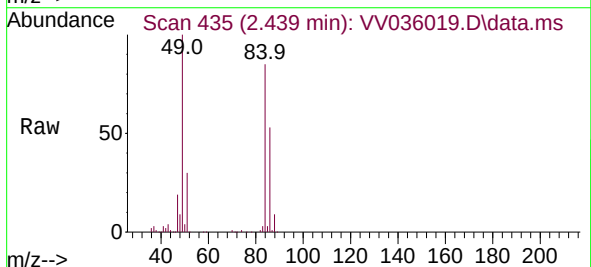
Tgt Ion: 84 Resp: 238248

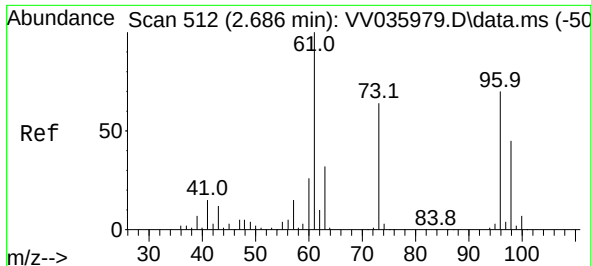
Ion Ratio Lower Upper

84 100

86 62.7 44.6 82.8

49 118.0 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 22.926 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

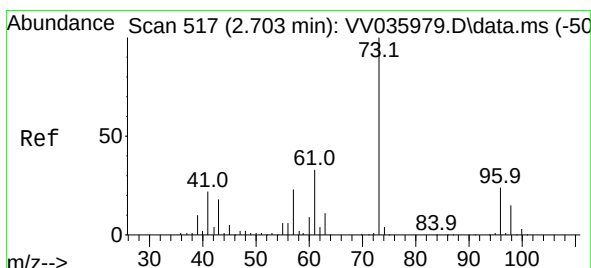
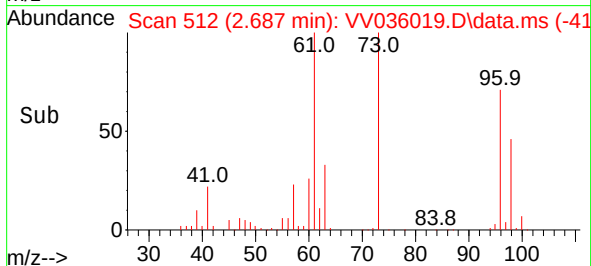
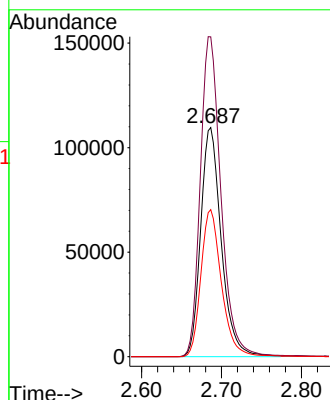
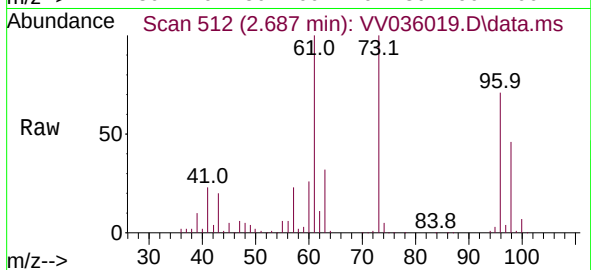
Tgt Ion: 96 Resp: 196675

Ion Ratio Lower Upper

96 100

61 139.6 99.4 184.6

98 64.2 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 25.650 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.007 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

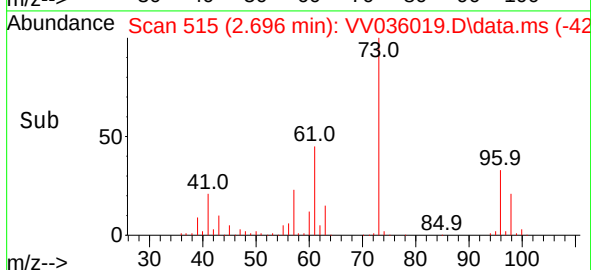
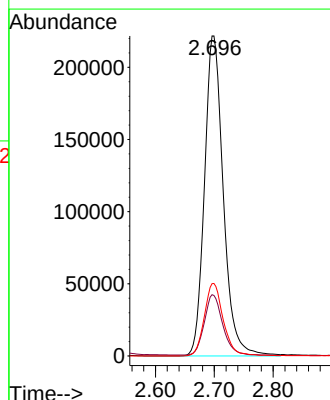
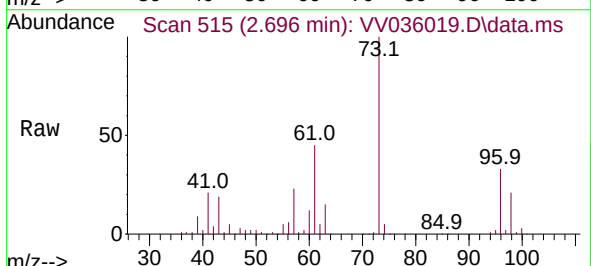
Tgt Ion: 73 Resp: 493993

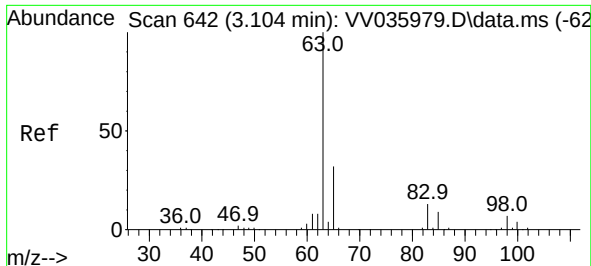
Ion Ratio Lower Upper

73 100

43 18.2 14.3 21.5

57 22.7 17.8 26.6

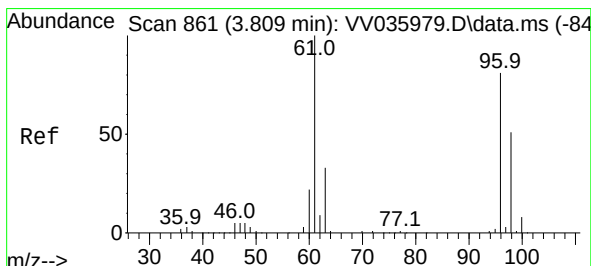
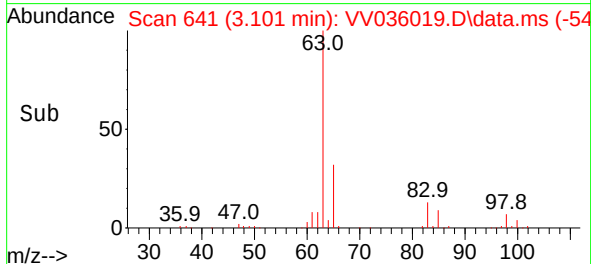
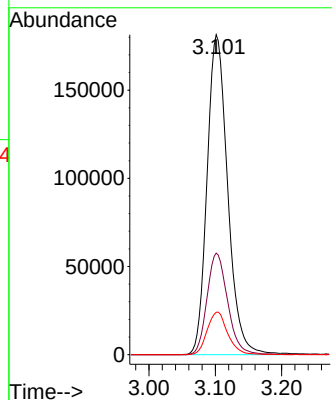
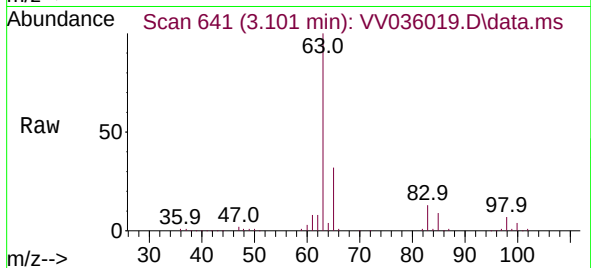




#19
1,1-Dichloroethane
Concen: 24.002 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

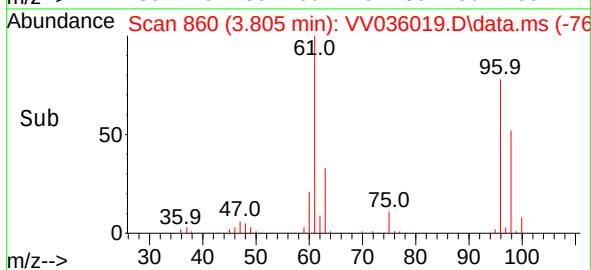
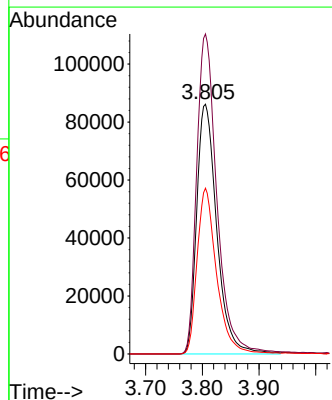
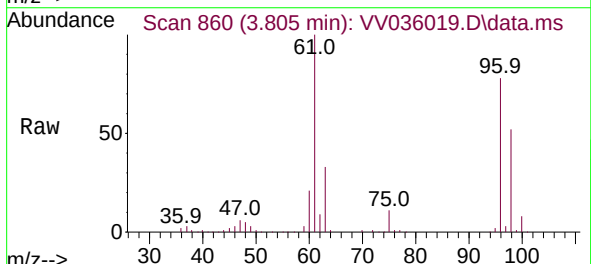
Instrument :
MSVOA_V
ClientSampleId :

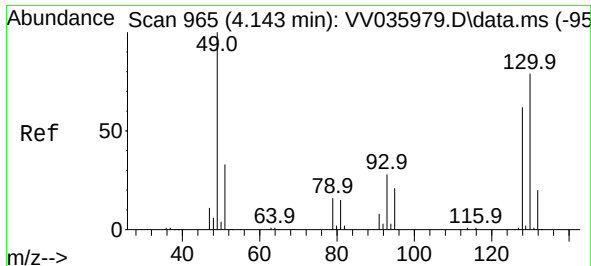
Tgt Ion: 63 Resp: 392114
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 13.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 24.634 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion: 96 Resp: 212346
Ion Ratio Lower Upper
96 100
61 128.1 87.9 163.3
98 66.4 44.4 82.5





#23

Bromochloromethane

Concen: 24.272 ug/L

RT: 4.140 min Scan# 9

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128 Resp: 104947

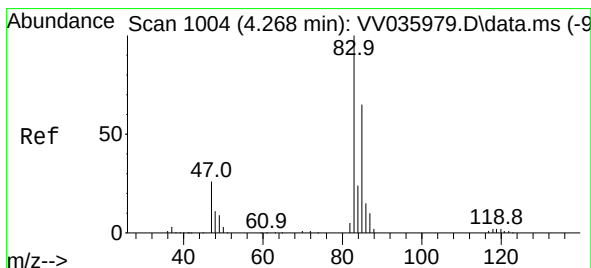
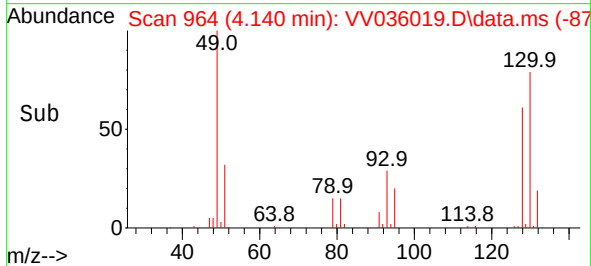
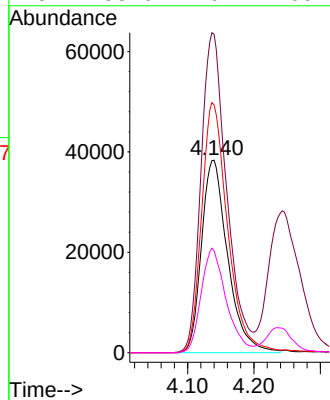
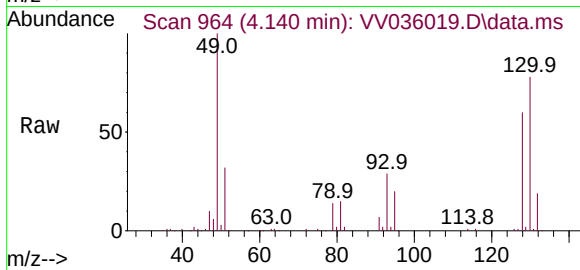
Ion Ratio Lower Upper

128 100

49 165.4 110.2 204.6

130 128.7 90.2 167.4

51 53.0 40.2 60.2



#25

Chloroform

Concen: 23.667 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.003 min

Lab File: VV036019.D

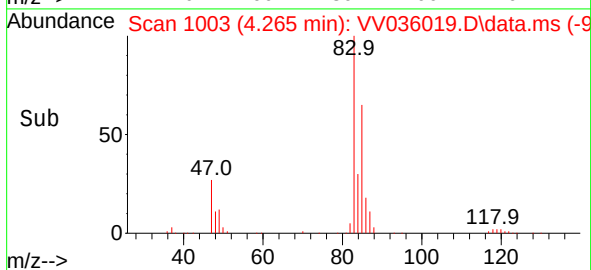
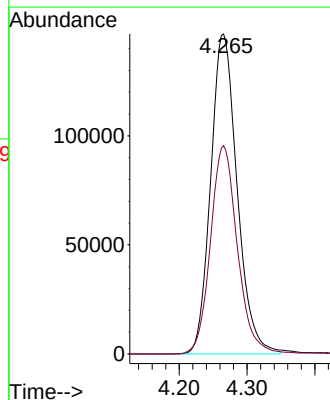
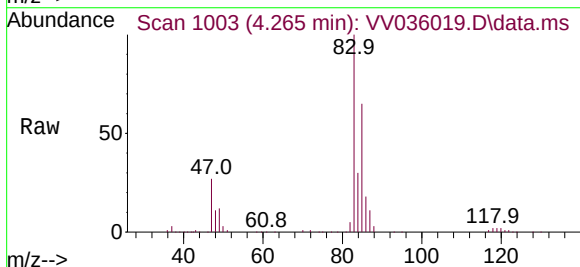
Acq: 10 Jun 2024 09:21

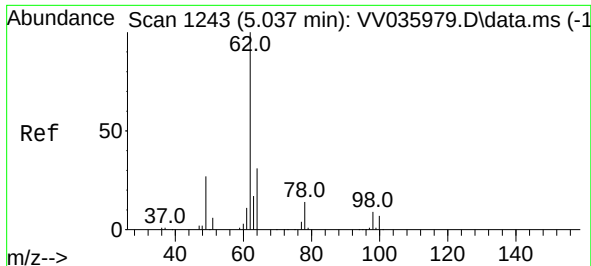
Tgt Ion: 83 Resp: 397729

Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0





#27

1,2-Dichloroethane

Concen: 24.303 ug/L

RT: 5.034 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

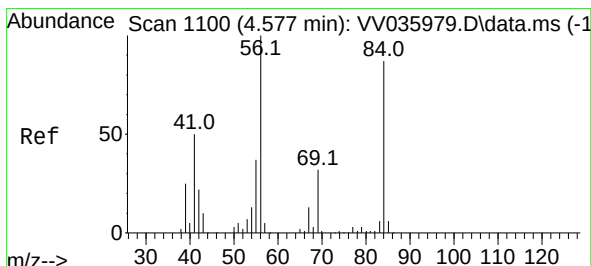
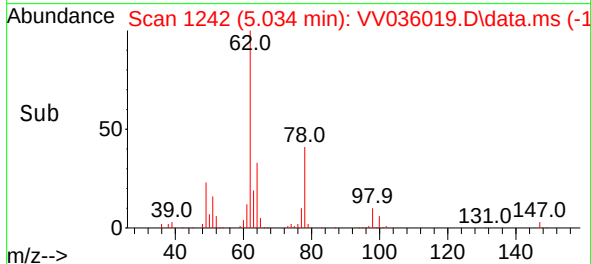
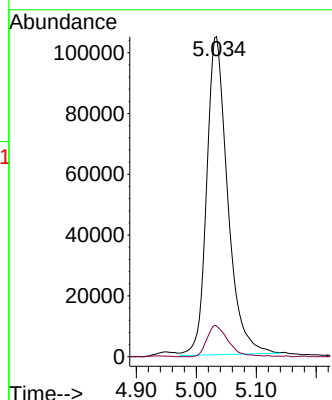
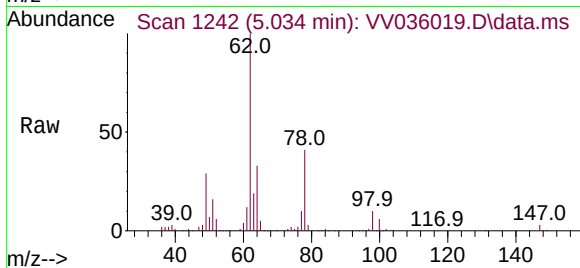
ClientSampleId :

Tgt Ion: 62 Resp: 254981

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6



#29

Cyclohexane

Concen: 22.892 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

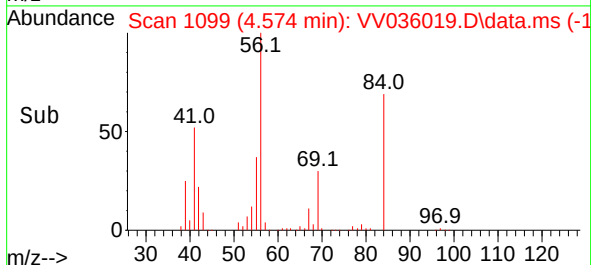
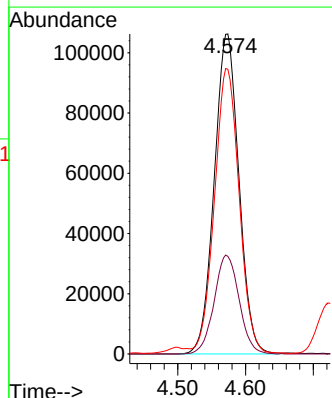
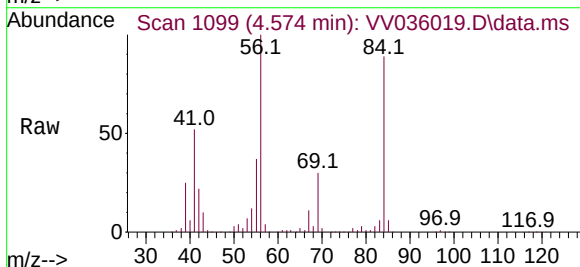
Tgt Ion: 56 Resp: 268429

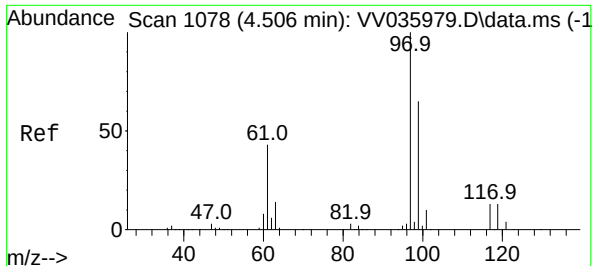
Ion Ratio Lower Upper

56 100

69 31.2 25.2 37.8

84 88.7 72.2 108.2





#30

1,1,1-Trichloroethane

Concen: 23.598 ug/L

RT: 4.500 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

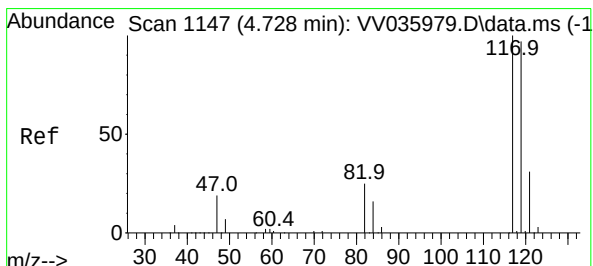
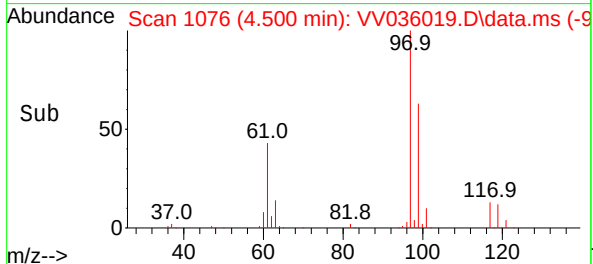
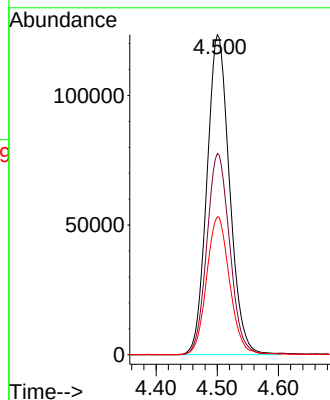
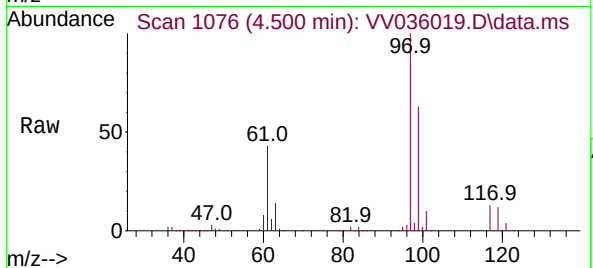
Tgt Ion: 97 Resp: 317711

Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 44.0 35.0 52.6



#31

Carbon tetrachloride

Concen: 22.878 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VV036019.D

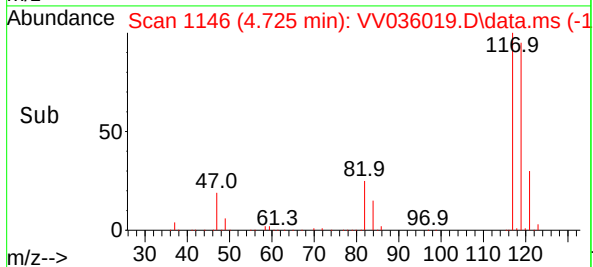
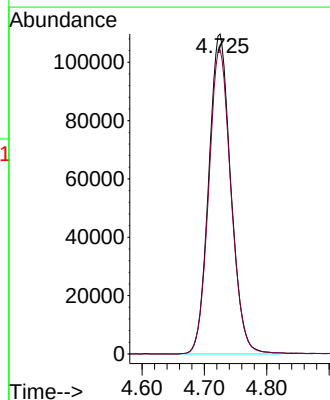
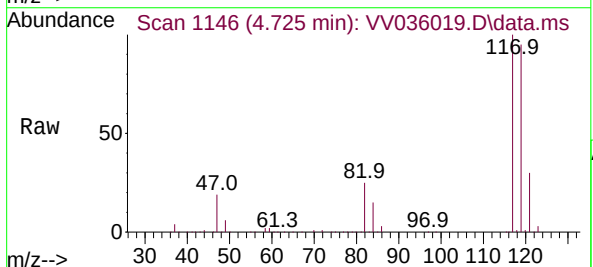
Acq: 10 Jun 2024 09:21

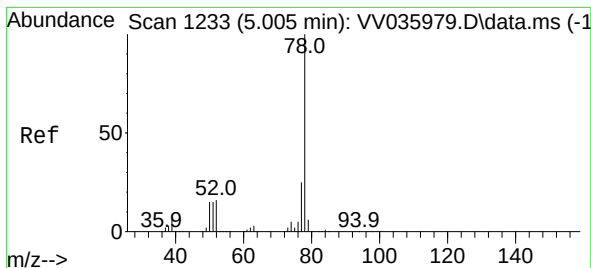
Tgt Ion: 117 Resp: 270217

Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2





#33

Benzene

Concen: 25.722 ug/L

RT: 4.998 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036019.D

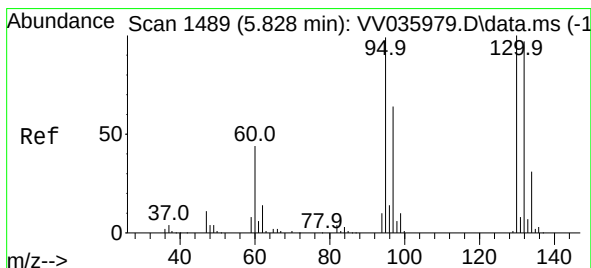
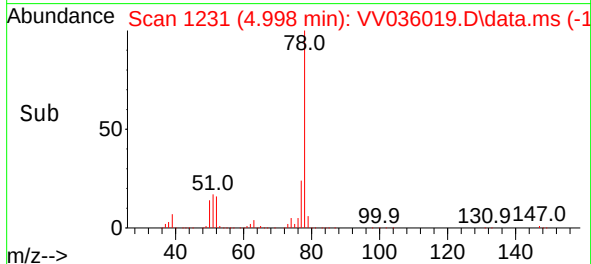
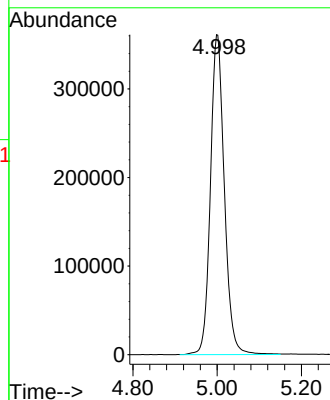
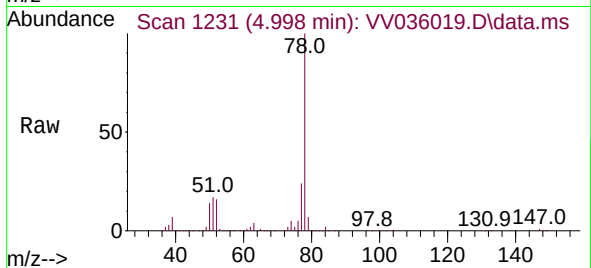
Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 828487



#34

Trichloroethene

Concen: 24.237 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Tgt Ion: 95 Resp: 239263

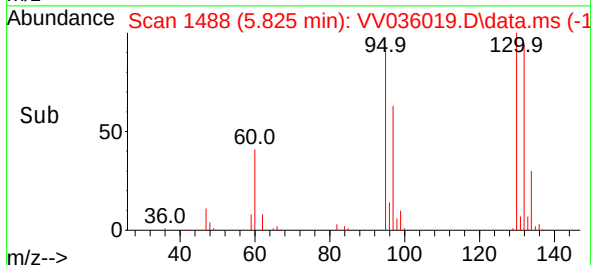
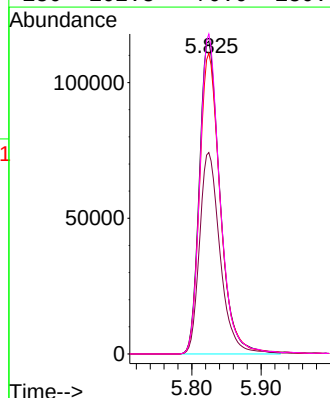
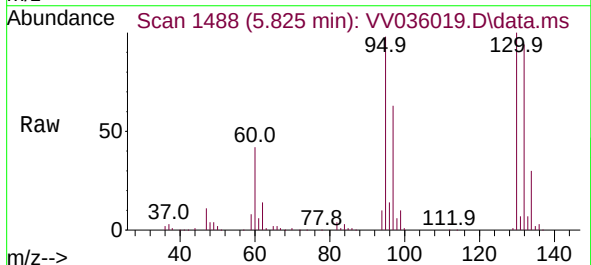
Ion Ratio Lower Upper

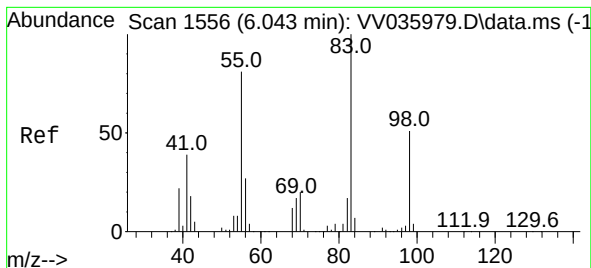
95 100

97 64.4 44.8 83.2

132 96.2 66.8 124.2

130 102.3 70.0 130.0





#35

Methylcyclohexane

Concen: 22.009 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

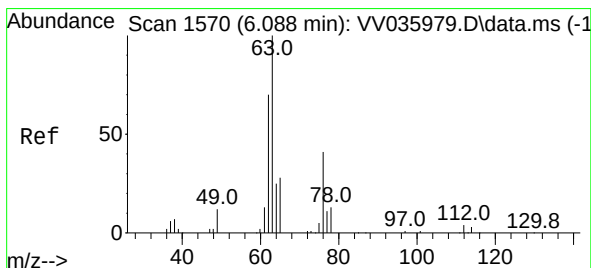
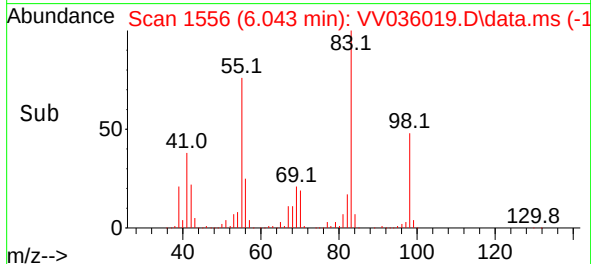
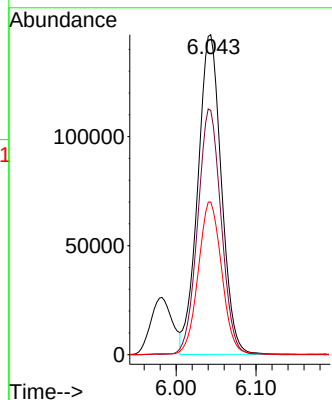
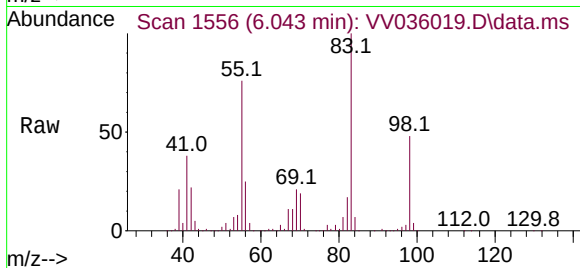
Tgt Ion: 83 Resp: 300458

Ion Ratio Lower Upper

83 100

55 76.6 60.7 91.1

98 47.8 38.7 58.1



#37

1,2-Dichloropropane

Concen: 26.753 ug/L

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV036019.D

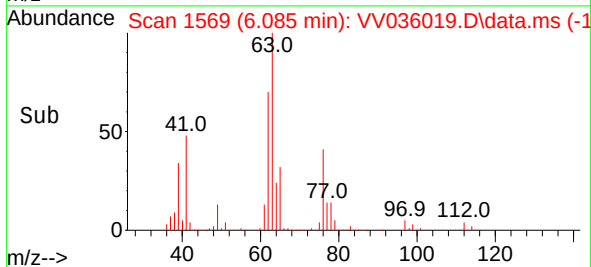
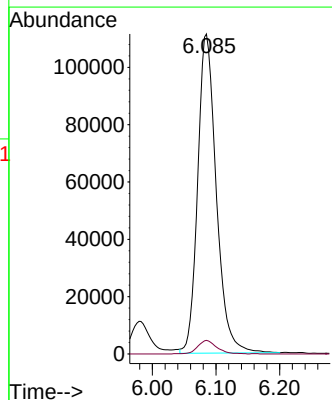
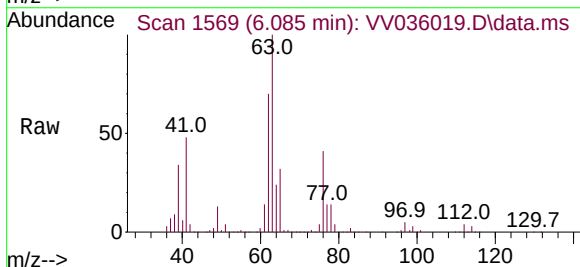
Acq: 10 Jun 2024 09:21

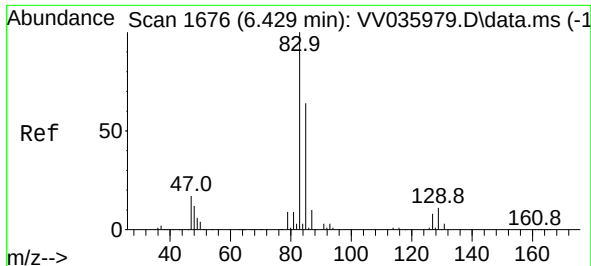
Tgt Ion: 63 Resp: 226268

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3

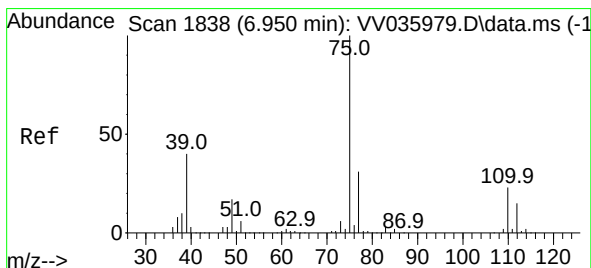
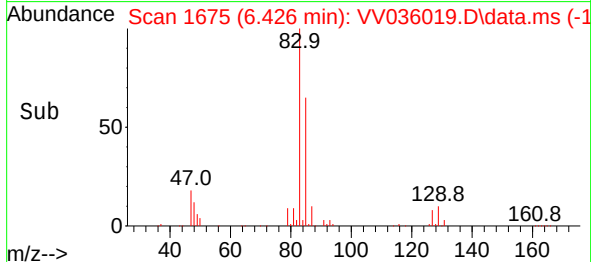
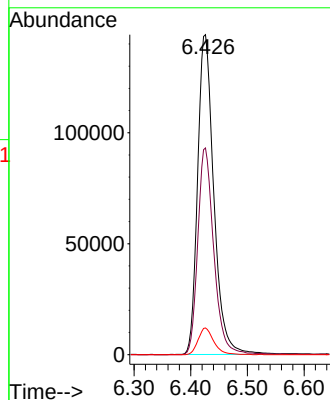
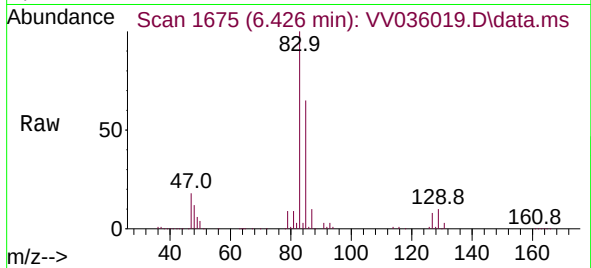




#38
Bromodichloromethane
Concen: 25.604 ug/L
RT: 6.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

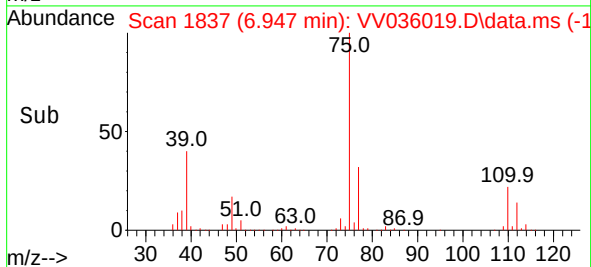
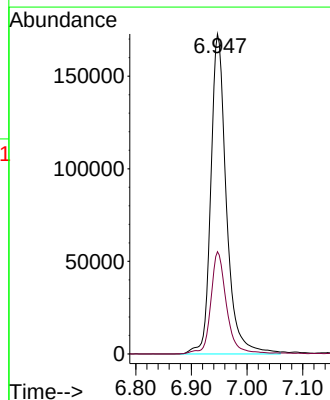
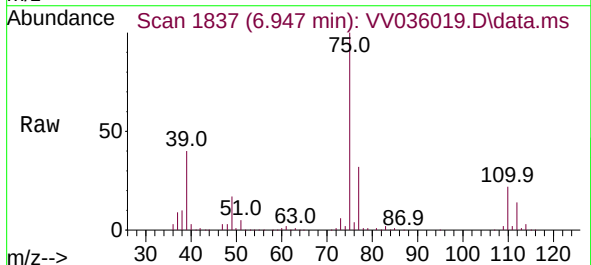
Instrument :
MSVOA_V
ClientSampleId :

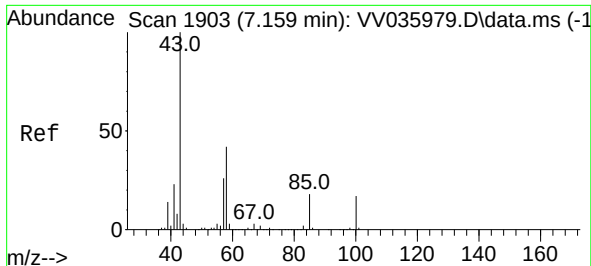
Tgt Ion: 83 Resp: 286622
Ion Ratio Lower Upper
83 100
85 64.6 45.3 84.1
127 8.4 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 26.609 ug/L
RT: 6.947 min Scan# 1837
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion: 75 Resp: 336597
Ion Ratio Lower Upper
75 100
77 31.9 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 53.309 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

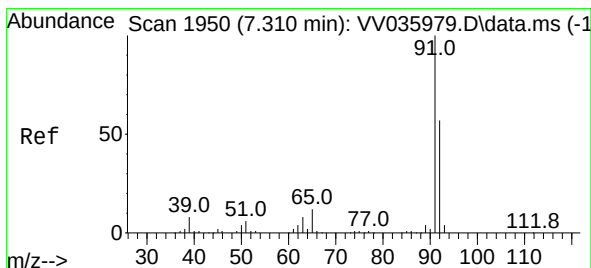
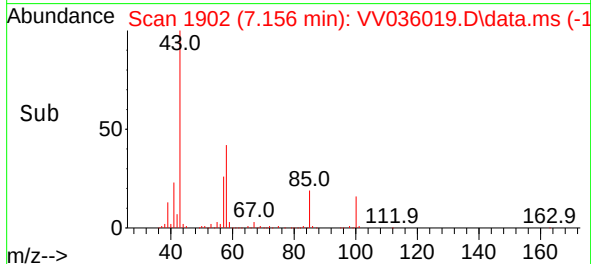
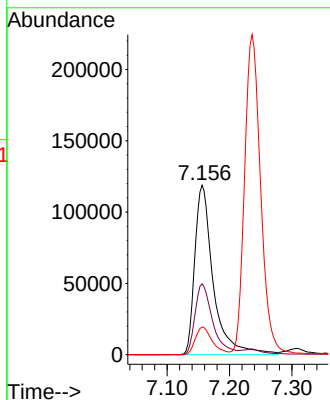
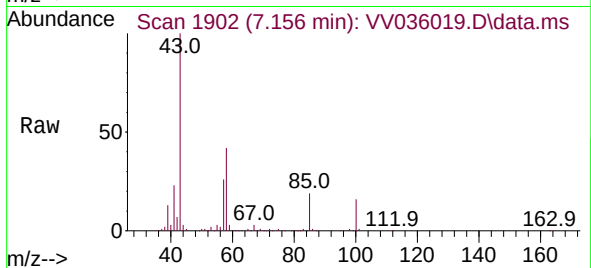
Tgt Ion: 43 Resp: 244958

Ion Ratio Lower Upper

43 100

58 40.0 32.5 48.7

100 15.1 12.5 18.7



#42

Toluene

Concen: 25.755 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV036019.D

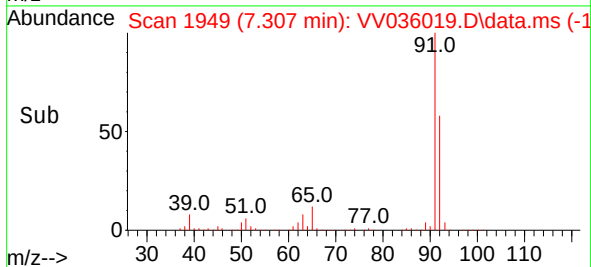
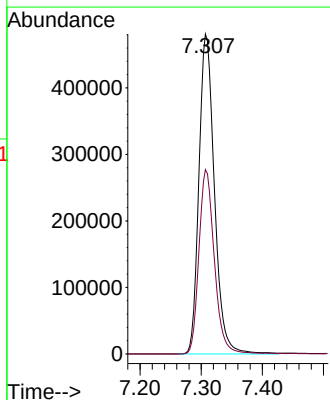
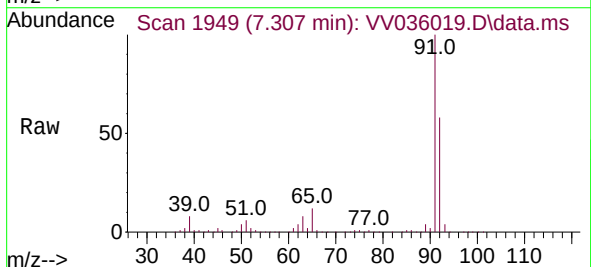
Acq: 10 Jun 2024 09:21

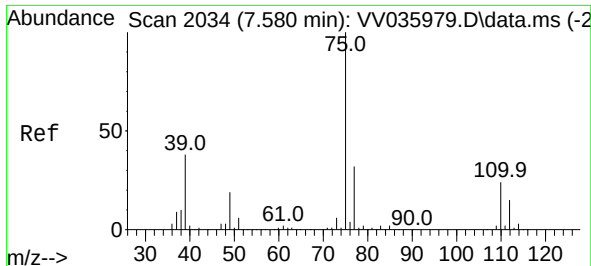
Tgt Ion: 91 Resp: 847657

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4

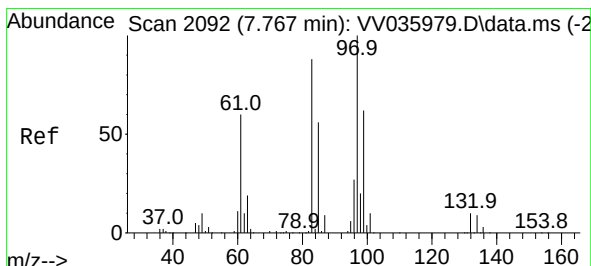
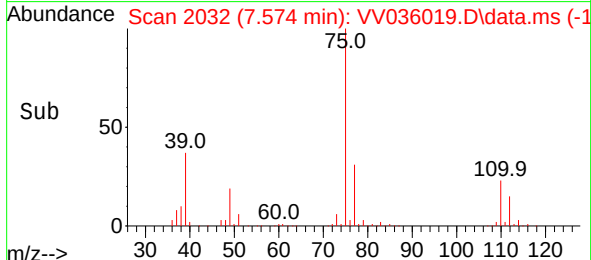
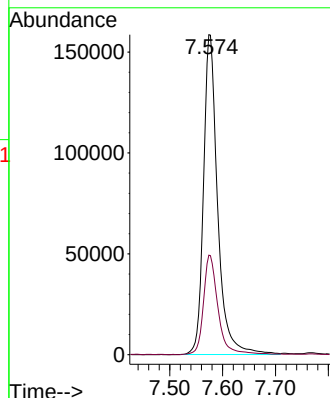
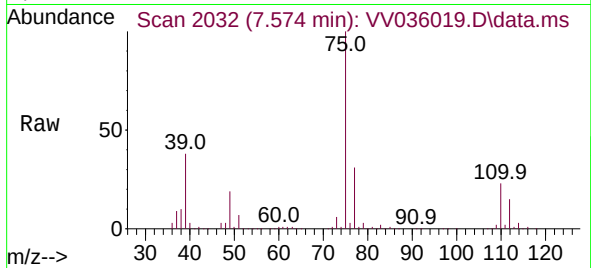




#44
trans-1,3-Dichloropropene
Concen: 26.947 ug/L
RT: 7.574 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

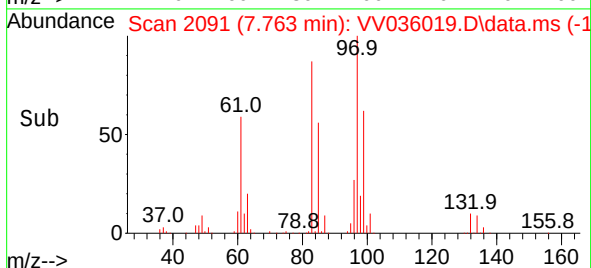
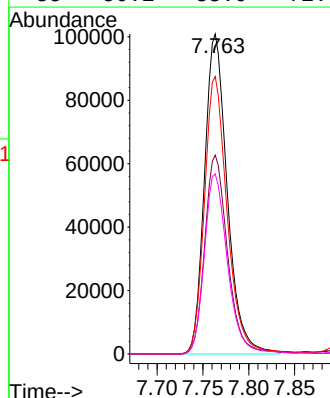
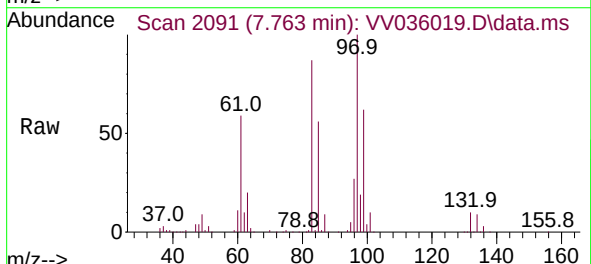
Instrument :
MSVOA_V
ClientSampleId :

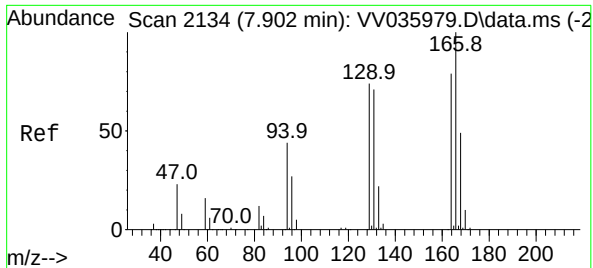
Tgt Ion: 75 Resp: 294436
Ion Ratio Lower Upper
75 100
77 31.1 23.1 42.9



#45
1,1,2-Trichloroethane
Concen: 24.900 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

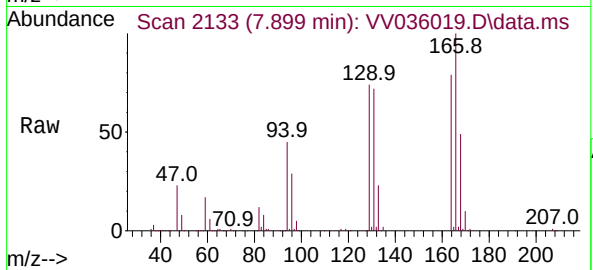
Tgt Ion: 97 Resp: 174249
Ion Ratio Lower Upper
97 100
99 62.2 43.3 80.5
83 86.7 60.1 111.7
85 56.2 38.9 72.3





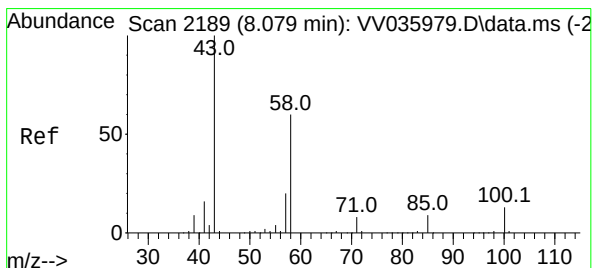
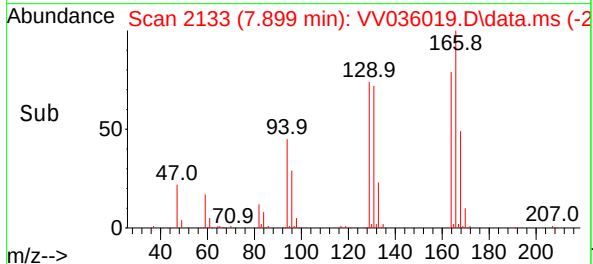
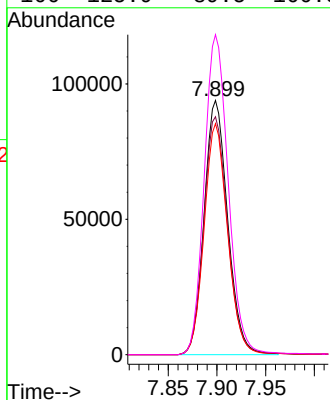
#46
Tetrachloroethene
Concen: 21.929 ug/L
RT: 7.899 min Scan# 2134
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 158326

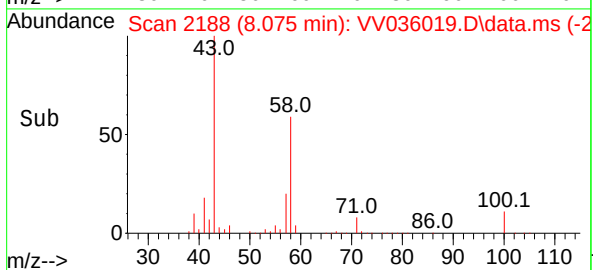
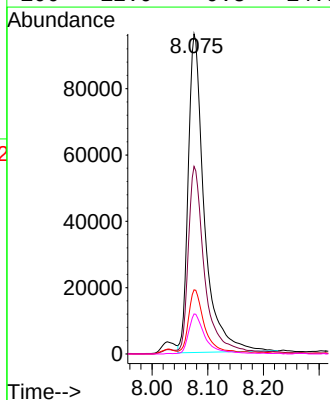
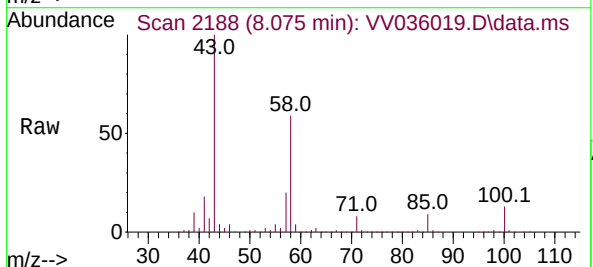
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.6	120.0
131	90.9	63.2	117.4
166	125.9	89.5	166.3

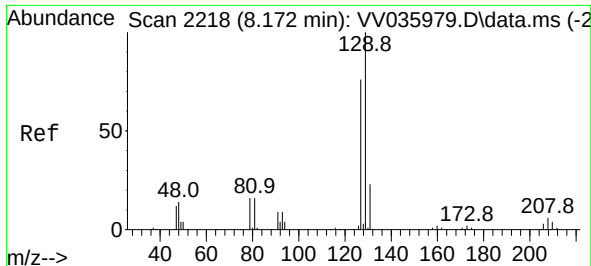


#48
2-Hexanone
Concen: 53.709 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. -0.003 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion: 43 Resp: 192938

Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.4	68.0
57	18.9	15.8	23.8
100	12.9	9.8	14.8

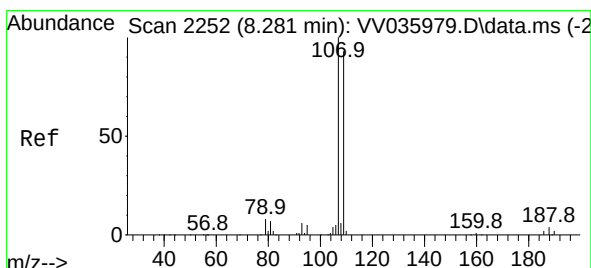
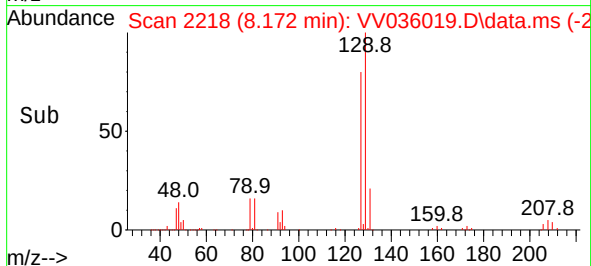
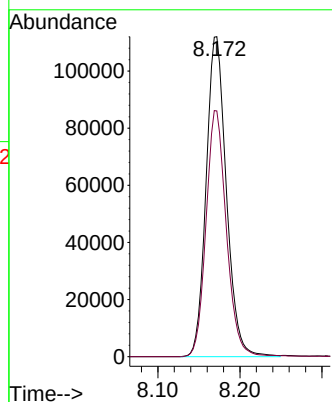
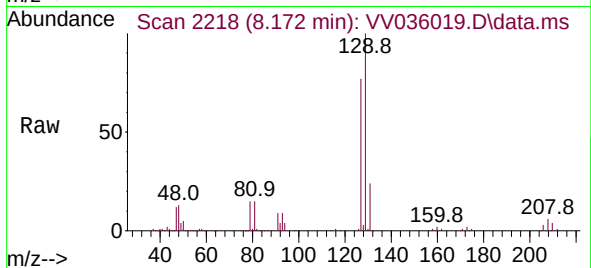




#49
Dibromochloromethane
Concen: 25.052 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

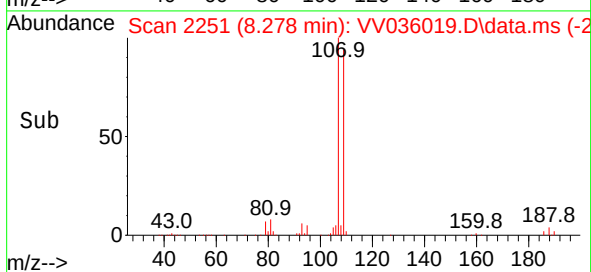
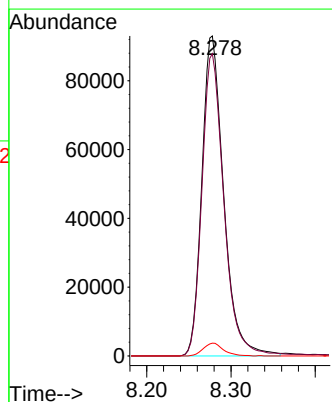
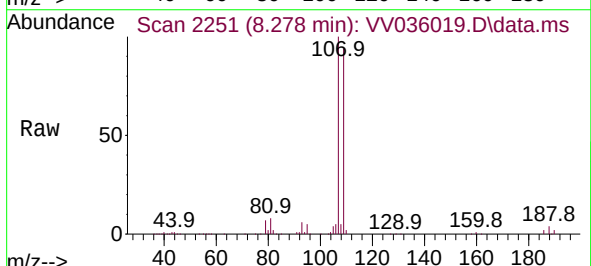
Instrument :
MSVOA_V
ClientSampleId :

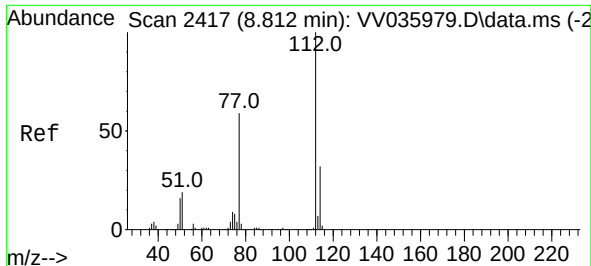
Tgt Ion:129 Resp: 191871
Ion Ratio Lower Upper
129 100
127 76.8 53.9 100.1



#50
1,2-Dibromoethane
Concen: 25.026 ug/L
RT: 8.278 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VV036019.D
Acq: 10 Jun 2024 09:21

Tgt Ion:107 Resp: 168039
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 4.2 3.0 4.6





#51

Chlorobenzene

Concen: 24.225 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

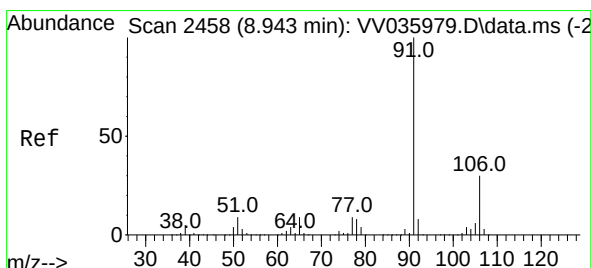
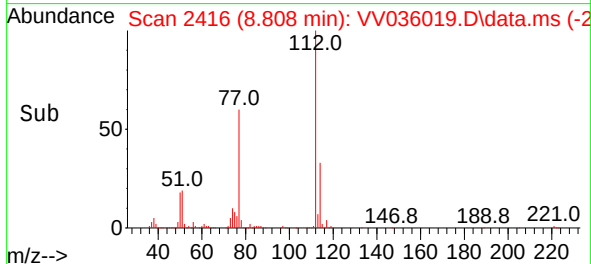
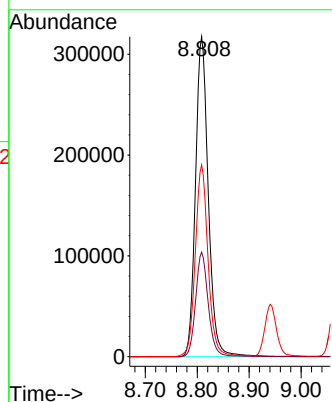
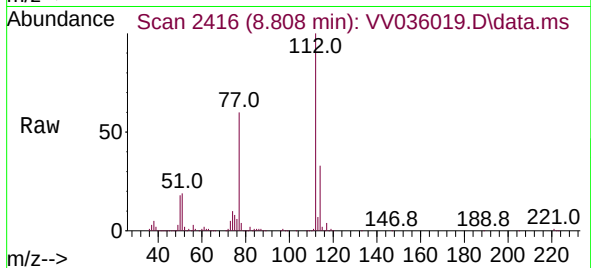
Tgt Ion:112 Resp: 543255

Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

77 59.9 47.3 70.9



#52

Ethylbenzene

Concen: 25.252 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.003 min

Lab File: VV036019.D

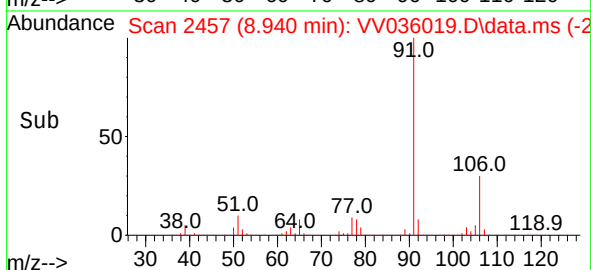
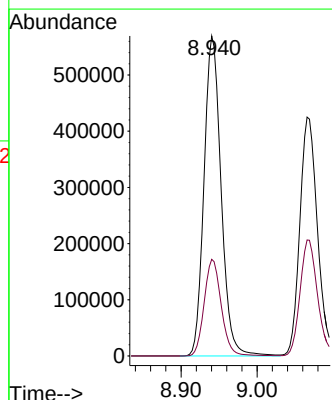
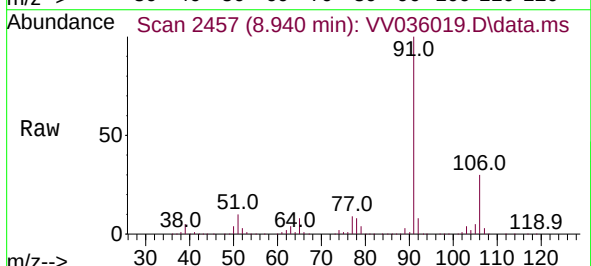
Acq: 10 Jun 2024 09:21

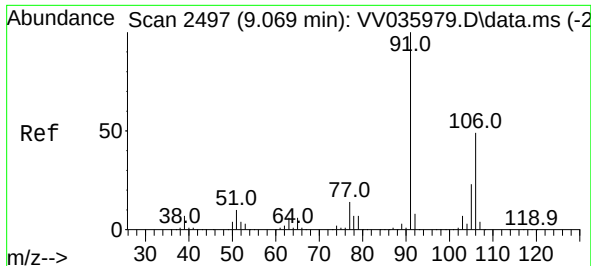
Tgt Ion: 91 Resp: 889206

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0





#53

m,p-Xylene

Concen: 25.220 ug/L

RT: 9.066 min Scan# 2497

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

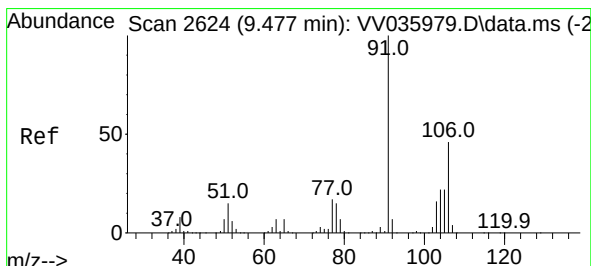
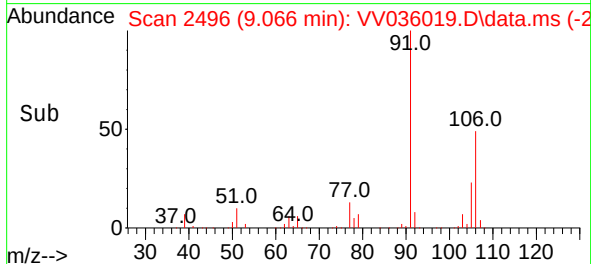
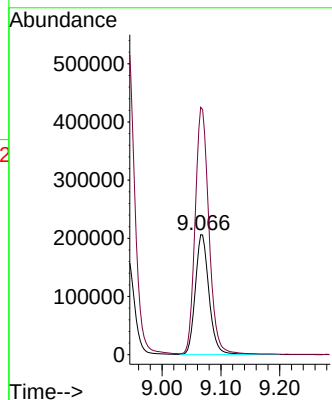
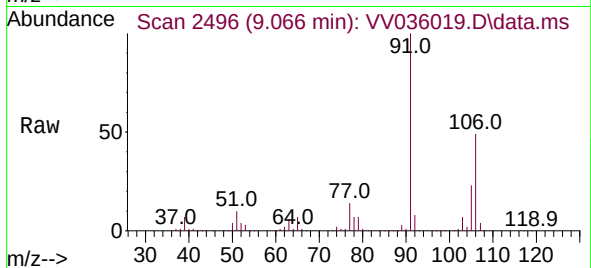
ClientSampleId :

Tgt Ion:106 Resp: 333692

Ion Ratio Lower Upper

106 100

91 206.0 143.1 265.9



#54

o-Xylene

Concen: 25.519 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. -0.000 min

Lab File: VV036019.D

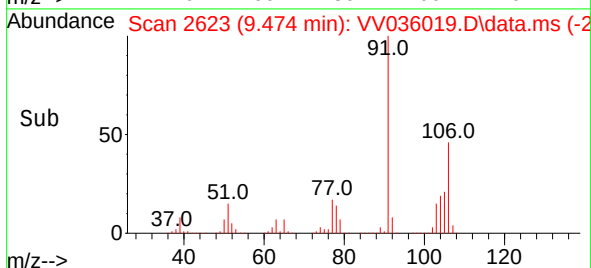
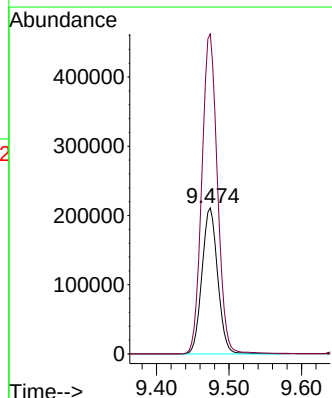
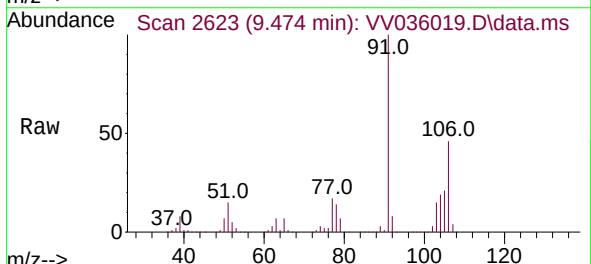
Acq: 10 Jun 2024 09:21

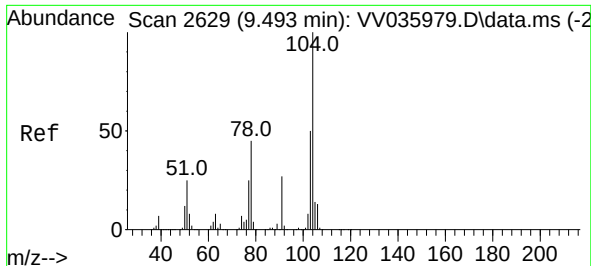
Tgt Ion:106 Resp: 318407

Ion Ratio Lower Upper

106 100

91 219.0 154.5 286.9





#55

Styrene

Concen: 26.169 ug/L

RT: 9.490 min Scan# 20

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

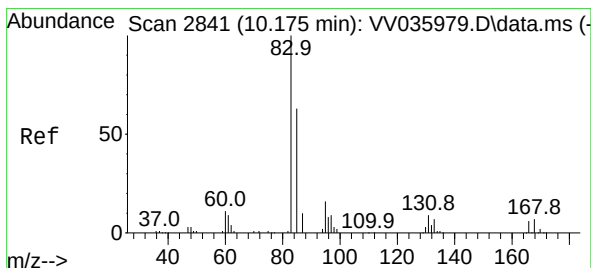
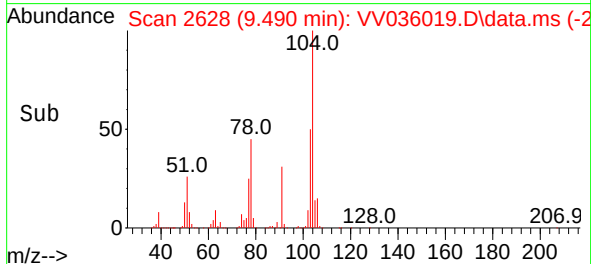
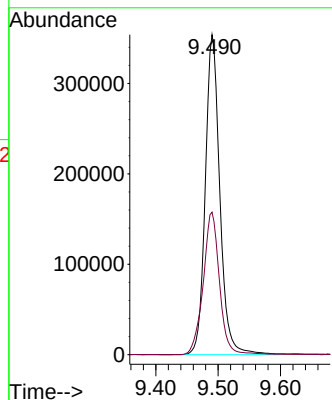
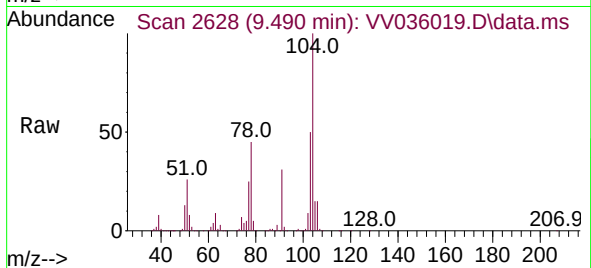
ClientSampleId :

Tgt Ion:104 Resp: 575816

Ion Ratio Lower Upper

104 100

78 44.6 31.4 58.2



#57

1,1,2,2-Tetrachloroethane

Concen: 24.208 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

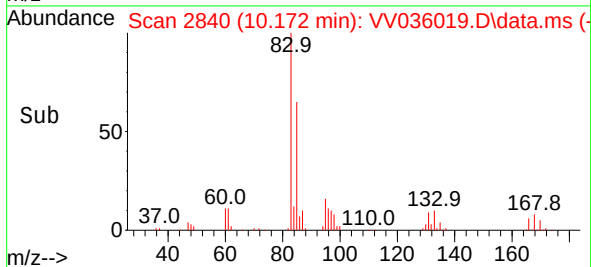
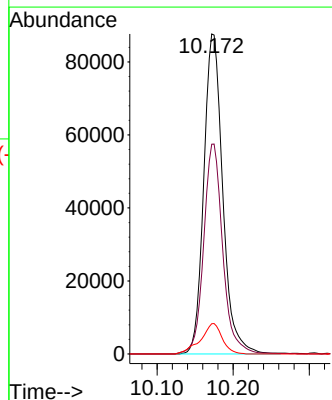
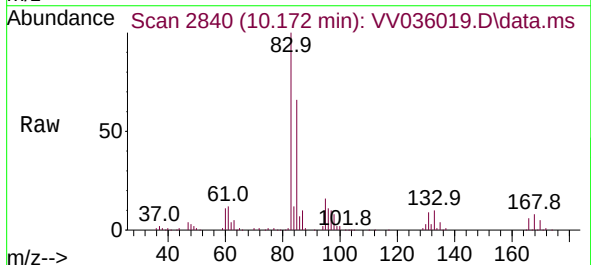
Tgt Ion: 83 Resp: 151689

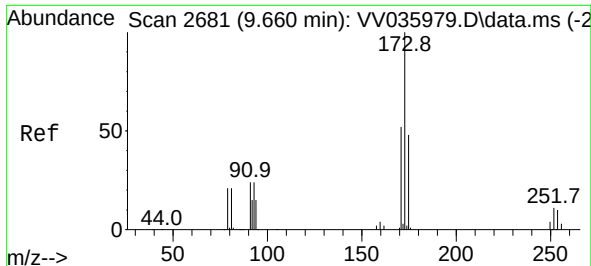
Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.7

131 9.5 7.6 11.4





#59

Bromoform

Concen: 25.916 ug/L

RT: 9.660 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

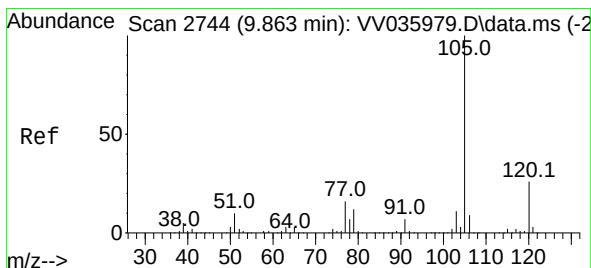
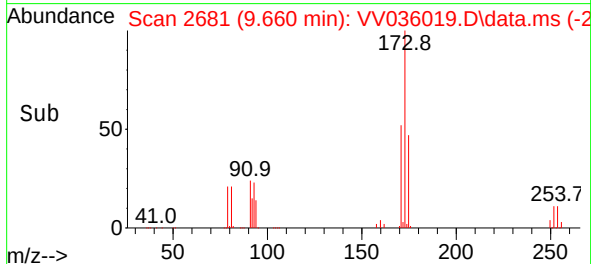
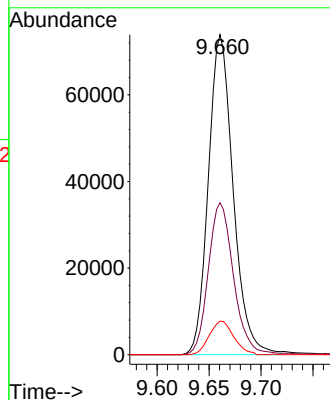
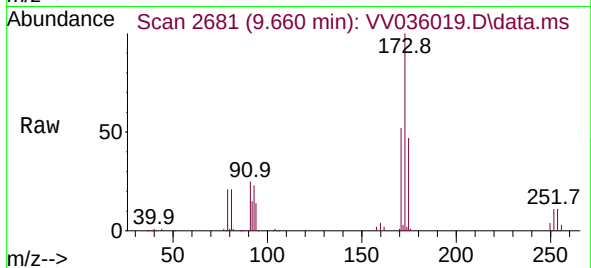
Tgt Ion:173 Resp: 122616

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

254 10.3 8.6 13.0



#60

Isopropylbenzene

Concen: 25.775 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

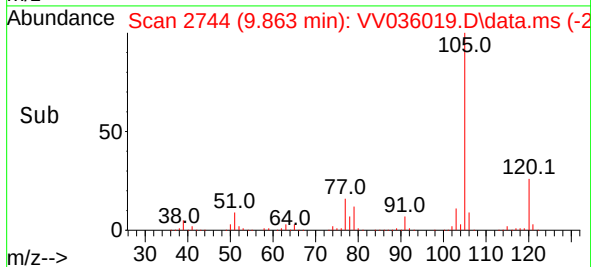
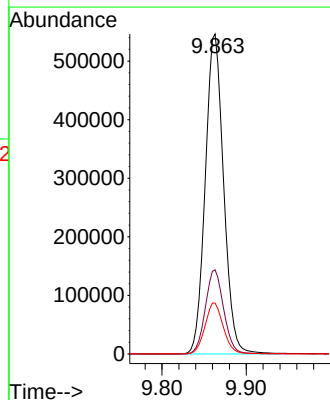
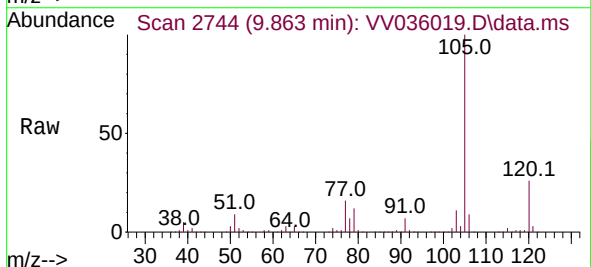
Tgt Ion:105 Resp: 829599

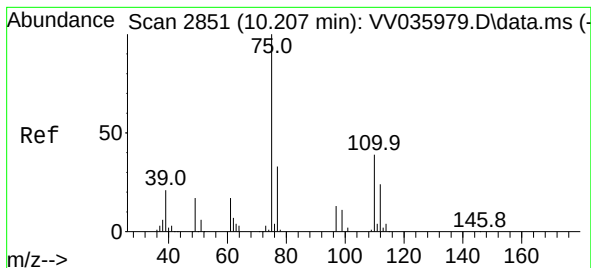
Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.9 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 25.957 ug/L

RT: 10.204 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

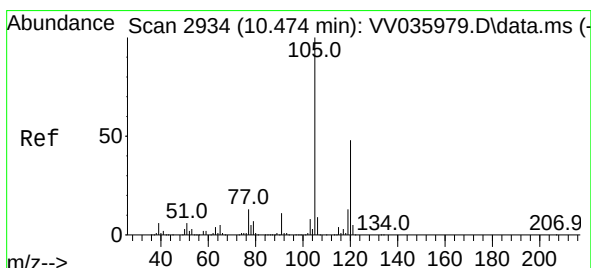
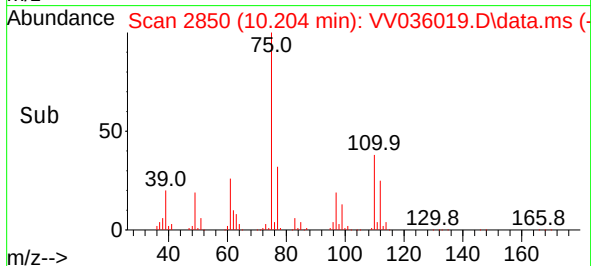
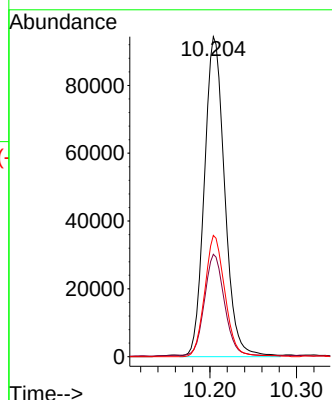
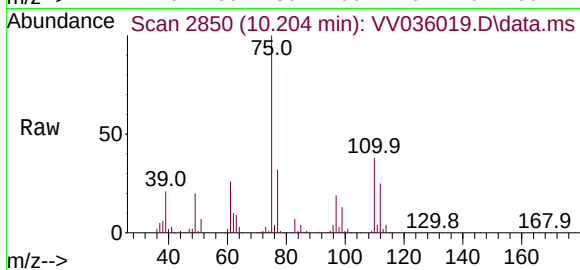
Tgt Ion: 75 Resp: 154017

Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

110 37.4 32.2 48.4



#62

1,3,5-Trimethylbenzene

Concen: 25.594 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.003 min

Lab File: VV036019.D

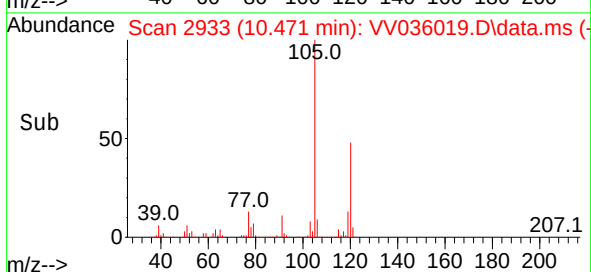
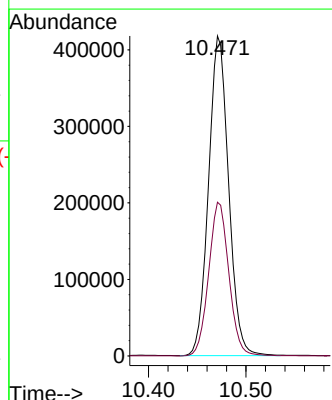
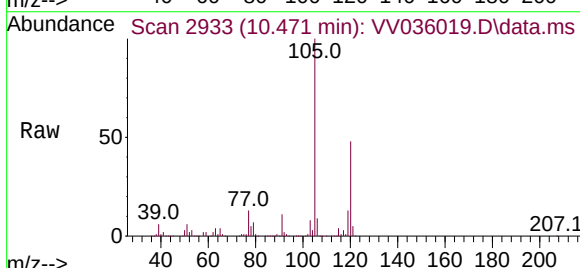
Acq: 10 Jun 2024 09:21

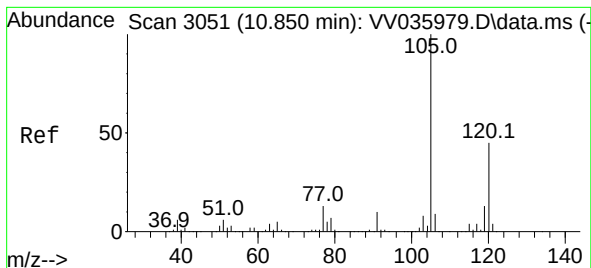
Tgt Ion:105 Resp: 597356

Ion Ratio Lower Upper

105 100

120 48.6 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 26.048 ug/L

RT: 10.847 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

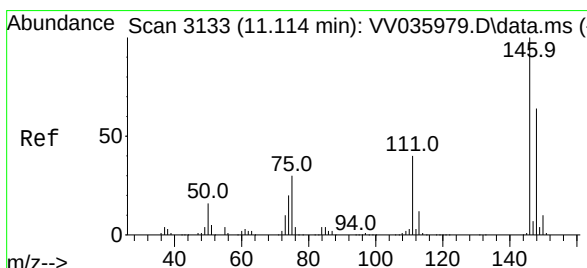
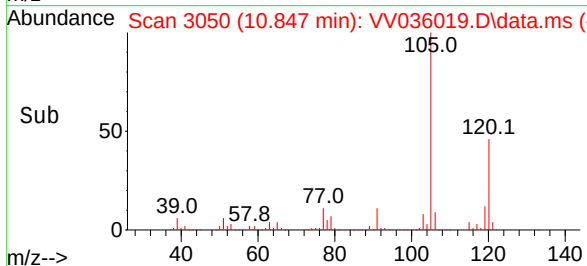
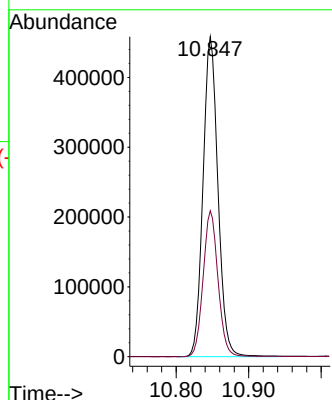
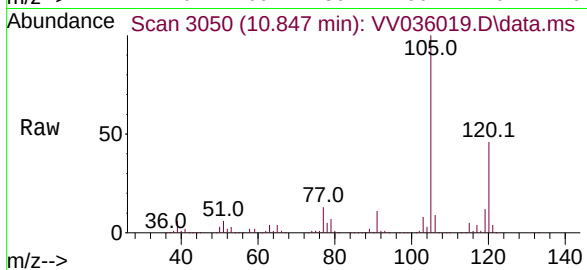
ClientSampleId :

Tgt Ion:105 Resp: 655033

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 24.209 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

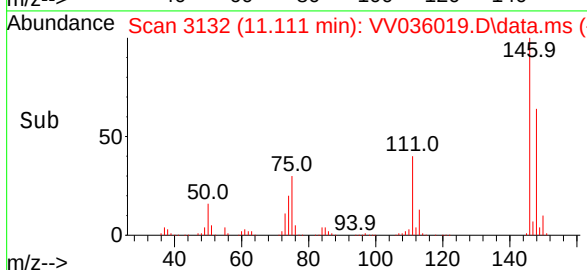
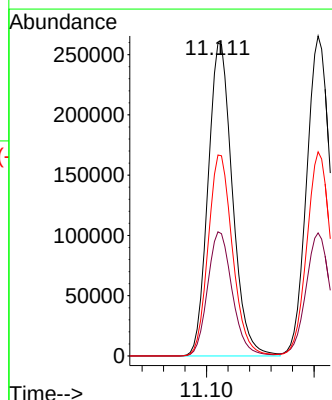
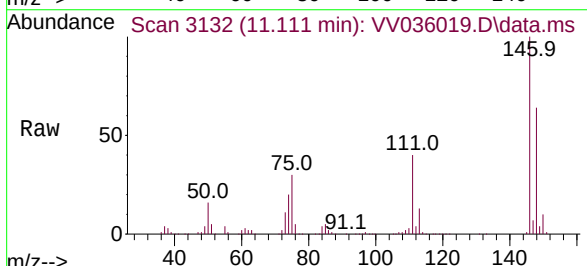
Tgt Ion:146 Resp: 409200

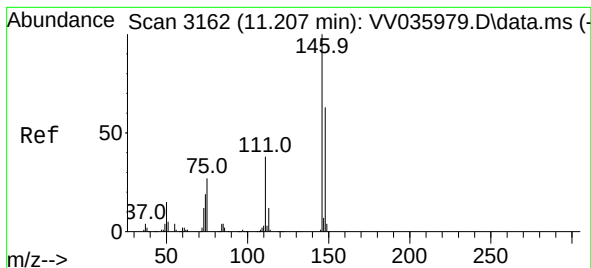
Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

148 64.3 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 24.147 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

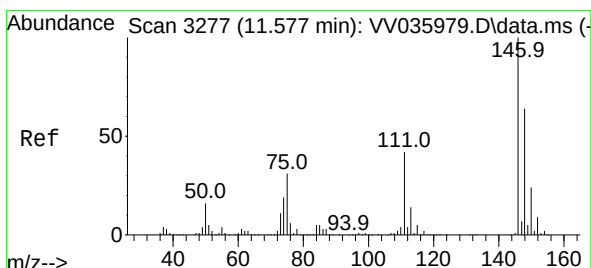
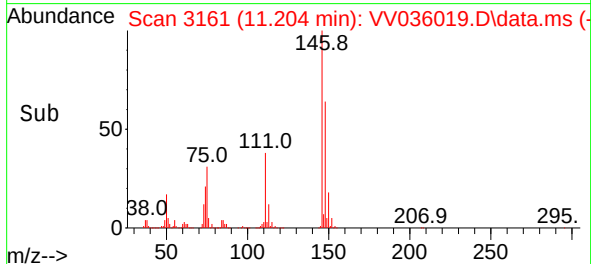
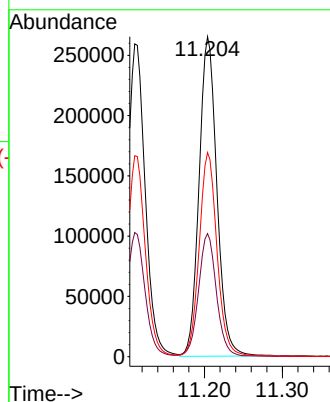
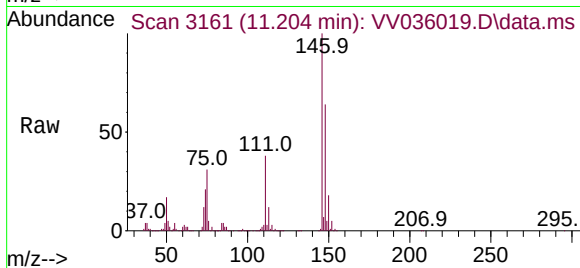
Tgt Ion:146 Resp: 421290

Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 63.8 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 24.210 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

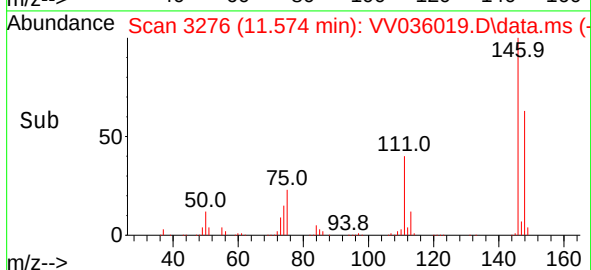
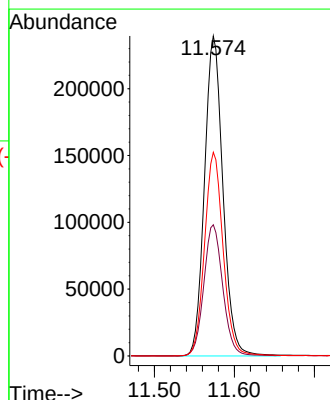
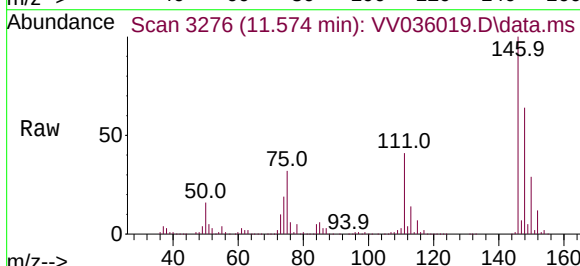
Tgt Ion:146 Resp: 385082

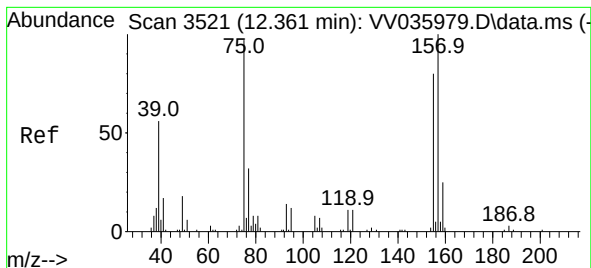
Ion Ratio Lower Upper

146 100

111 41.0 33.5 50.3

148 63.6 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 23.459 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

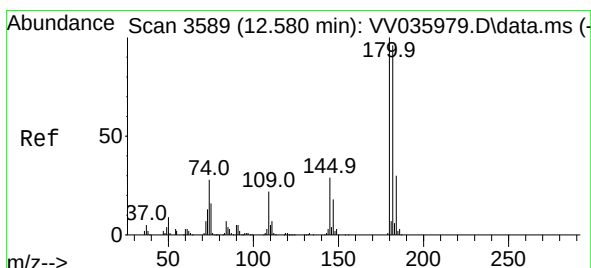
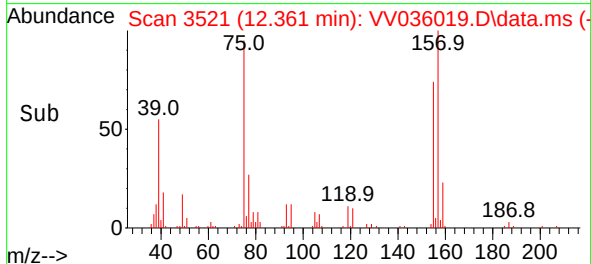
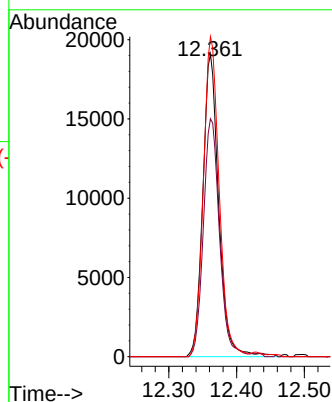
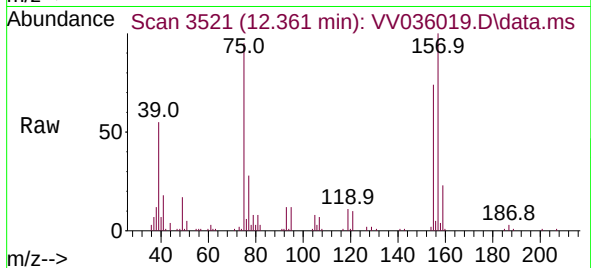
Tgt Ion: 75 Resp: 31126

Ion Ratio Lower Upper

75 100

155 78.6 63.3 94.9

157 105.7 82.4 123.6



#69

1,3,5-Trichlorobenzene

Concen: 21.923 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.003 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Tgt Ion:180 Resp: 277190

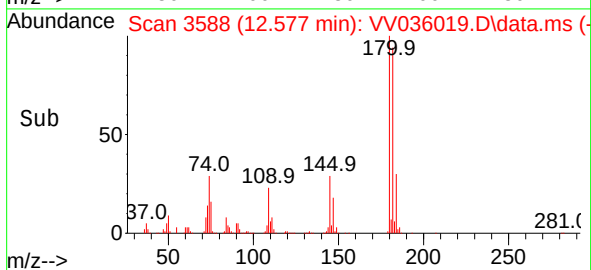
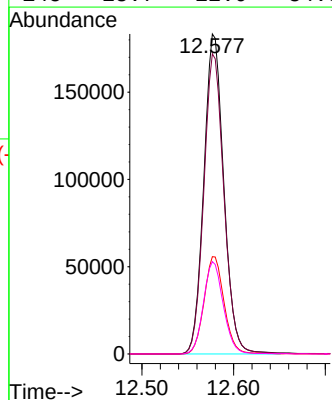
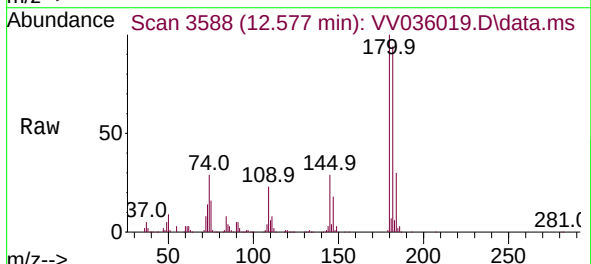
Ion Ratio Lower Upper

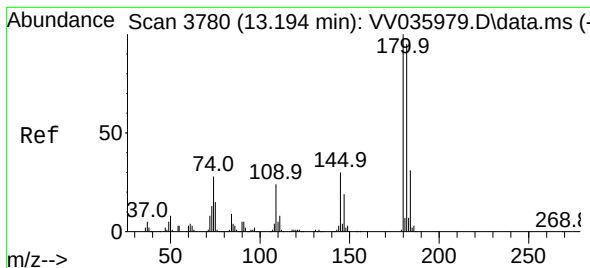
180 100

182 94.9 76.2 114.4

184 30.5 24.2 36.2

145 28.7 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 21.134 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :

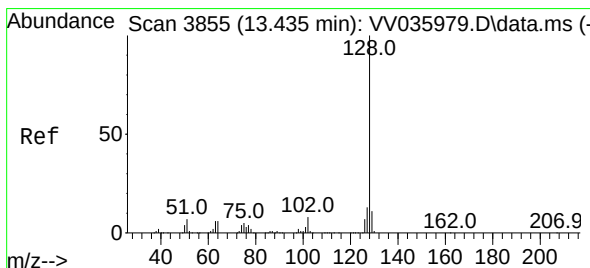
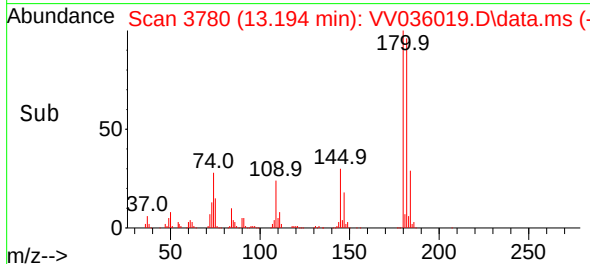
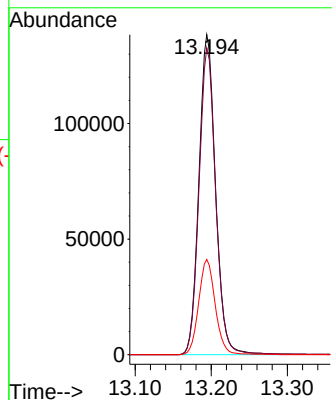
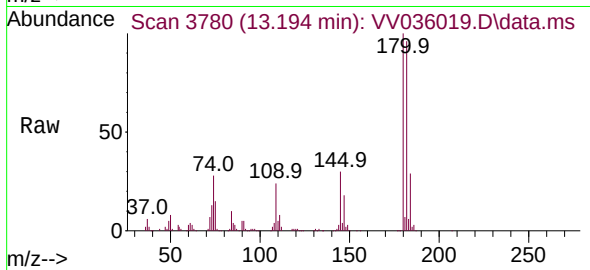
Tgt Ion:180 Resp: 210396

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 29.5 23.5 35.3



#71

Naphthalene

Concen: 22.531 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

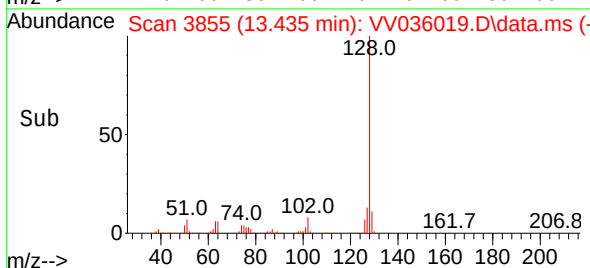
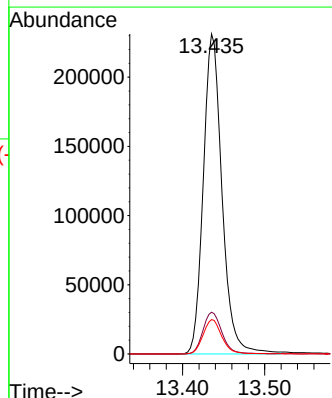
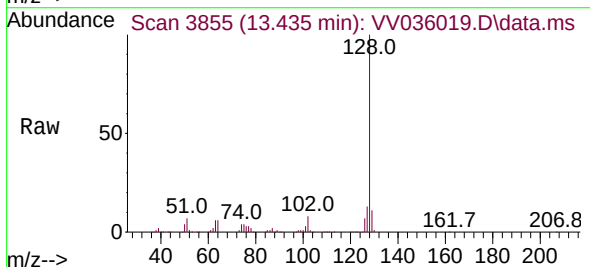
Tgt Ion:128 Resp: 366060

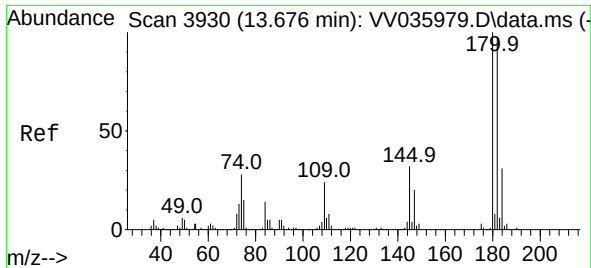
Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.7 8.8 13.2





#72

1,2,3-Trichlorobenzene

Concen: 21.725 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

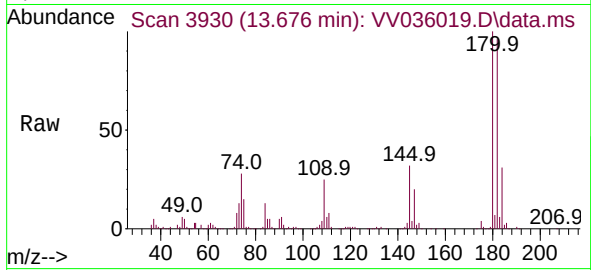
Lab File: VV036019.D

Acq: 10 Jun 2024 09:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 197362

Ion Ratio Lower Upper

180 100

182 95.6 75.1 112.7

145 31.4 25.2 37.8

