

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022624\
 Data File : VW034409.D
 Acq On : 26 Feb 2024 14:02
 Operator : SY/MD
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 27 04:33:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 27 04:30:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	145844	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	135296	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	72379	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	186766	17.668	ug/L	0.00
7) Chloroethane-d5	1.532	69	159806	17.272	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	85363	16.717	ug/L	0.00
20) 2-Butanone-d5	3.799	46	540971	279.249	ug/L	-0.02
24) Chloroform-d	4.246	84	379889	19.541	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	198225	21.411	ug/L	0.00
32) Benzene-d6	4.957	84	668674	17.589	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	199896	18.611	ug/L	0.00
41) Toluene-d8	7.243	98	603602	17.377	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	88234	21.757	ug/L	0.00
46) 2-Hexanone-d5	8.021	63	464919	290.524	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	155193	22.684	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	240023	19.108	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	189590	15.186	ug/L	98
3) Chloromethane	1.214	50	215732	15.557	ug/L	99
5) Vinyl chloride	1.282	62	224405	16.941	ug/L	98
6) Bromomethane	1.487	94	128203	17.864	ug/L	100
8) Chloroethane	1.548	64	143973	15.698	ug/L	99
9) Trichlorofluoromethane	1.712	101	377374	19.394	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	199646	19.534	ug/L	99
12) 1,1-Dichloroethene	2.066	96	190571	19.210	ug/L	99
13) Acetone	2.140	43	422858	272.597	ug/L	98
14) Carbon disulfide	2.237	76	531166	17.103	ug/L	99
15) Methyl Acetate	2.381	43	81425	22.943	ug/L	95
16) Methylene chloride	2.446	84	200444	20.490	ug/L	97
17) Methyl tert-butyl Ether	2.703	73	515889	24.079	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	192255	18.976	ug/L	99
19) 1,1-Dichloroethane	3.108	63	371990	19.924	ug/L	99
21) 2-Butanone	3.880	43	560773	276.222	ug/L	99
22) cis-1,2-Dichloroethene	3.812	96	212861	18.538	ug/L	97
23) Bromochloromethane	4.146	128	92011	22.244	ug/L	99
25) Chloroform	4.275	83	386344	20.325	ug/L	98
27) 1,2-Dichloroethane	5.040	62	249872	22.596	ug/L	97
29) 1,1,1-Trichloroethane	4.510	97	349962	19.615	ug/L	100
30) Cyclohexane	4.580	56	301521	17.794	ug/L	99
31) Carbon tetrachloride	4.732	117	309619	19.914	ug/L	99
33) Benzene	5.008	78	767918	19.293	ug/L	100
34) Trichloroethene	5.831	95	206842	18.031	ug/L	98
35) Methylcyclohexane	6.050	83	314583	17.708	ug/L	98
37) 1,2-Dichloropropane	6.092	63	189977	19.741	ug/L	99
38) Bromodichloromethane	6.429	83	269091	21.069	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	305370	20.985	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	1266756	255.975	ug/L	99
42) Toluene	7.314	91	818561	19.218	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	257637	22.987	ug/L	98

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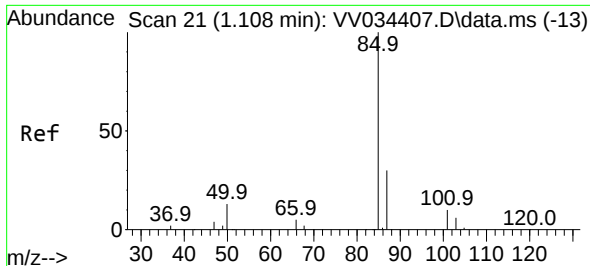
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.767	97	132596	21.432	ug/L	99
47) Tetrachloroethene	7.905	164	161689	17.395	ug/L	98
48) 2-Hexanone	8.076	43	901328	258.201	ug/L	100
49) Dibromochloromethane	8.175	129	161395	22.389	ug/L	100
50) 1,2-Dibromoethane	8.281	107	125333	22.622	ug/L	98
51) Chlorobenzene	8.812	112	530483	19.609	ug/L	99
52) Ethylbenzene	8.944	91	936993	19.236	ug/L	100
53) m,p-Xylene	9.072	106	348403	18.960	ug/L	97
54) o-Xylene	9.477	106	345704	19.366	ug/L	100
55) Styrene	9.493	104	586208	20.514	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	157672	23.945	ug/L	97
59) Bromoform	9.664	173	84807	21.736	ug/L	99
60) Isopropylbenzene	9.866	105	895927	17.505	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	116414	22.837	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	800037	18.365	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	806345	18.956	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	439896	19.302	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	430377	19.043	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	402928	20.341	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	31400	28.428	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	343093	19.614	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	315737	22.419	ug/L	98
71) Naphthalene	13.439	128	555423	28.151	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	277970	24.332	ug/L	99

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

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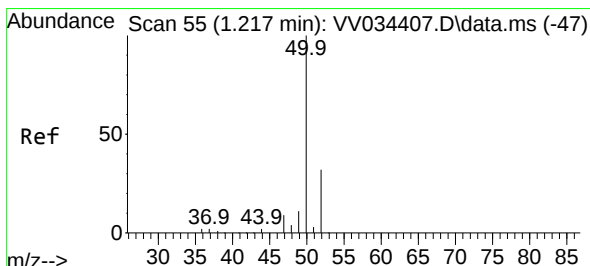
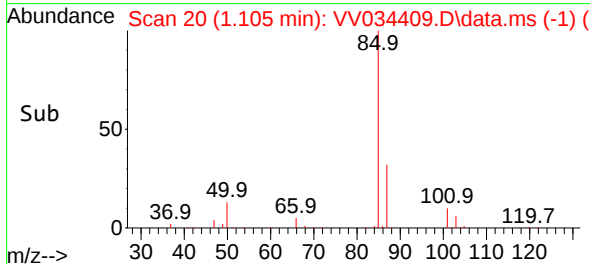
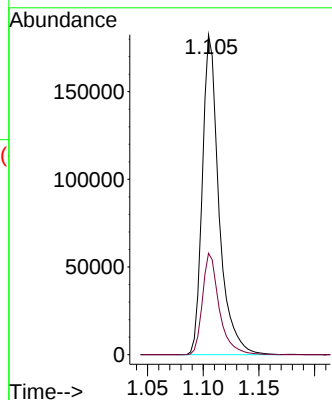
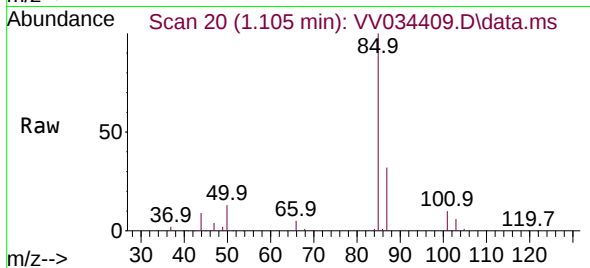




#2
Dichlorodifluoromethane
Concen: 15.186 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

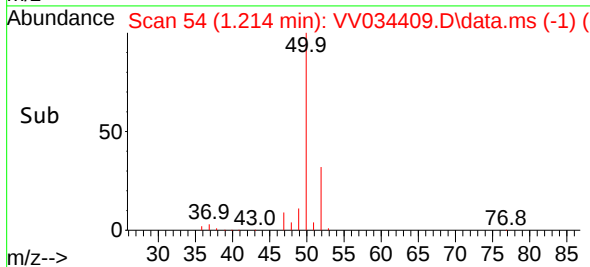
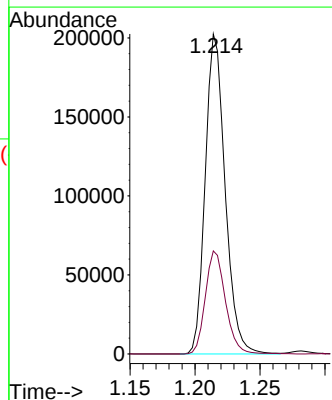
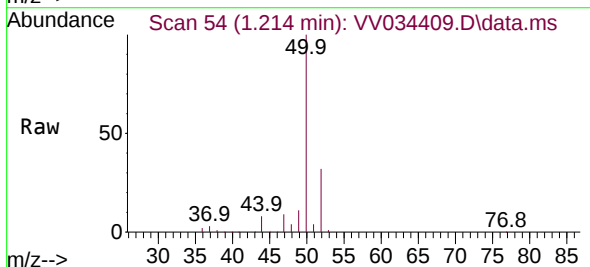
Instrument :
MSVOA_V
ClientSampleId :

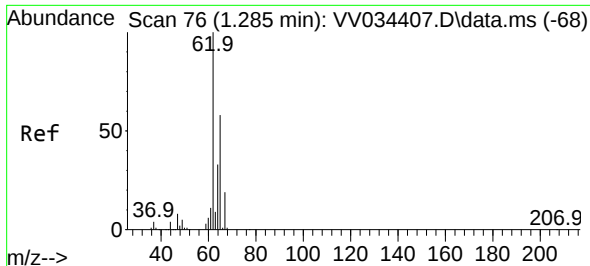
Tgt Ion: 85 Resp: 189590
Ion Ratio Lower Upper
85 100
87 32.0 24.9 37.3



#3
Chloromethane
Concen: 15.557 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

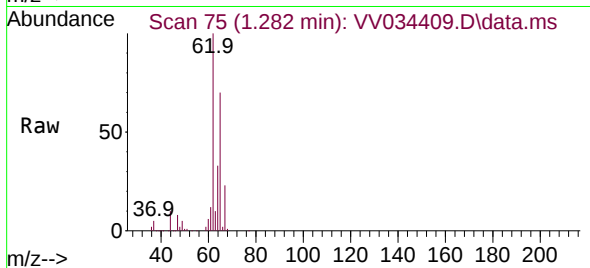
Tgt Ion: 50 Resp: 215732
Ion Ratio Lower Upper
50 100
52 32.2 22.3 41.3



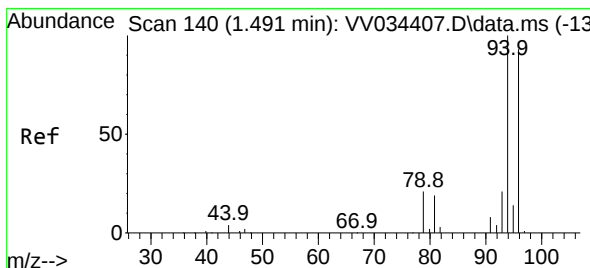
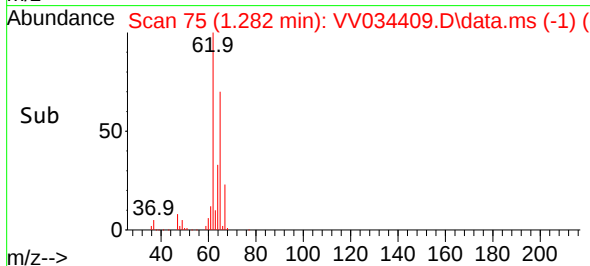
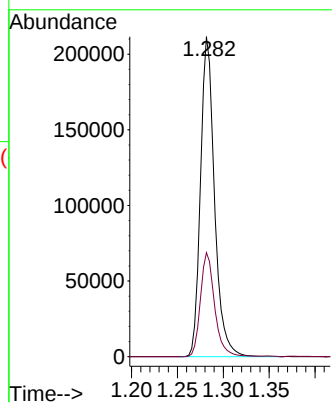


#5
 Vinyl chloride
 Concen: 16.941 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

Instrument :
 MSVOA_V
 ClientSampleId :

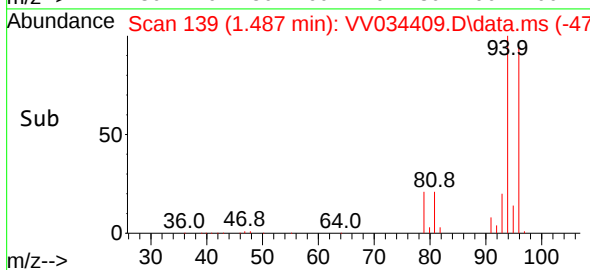
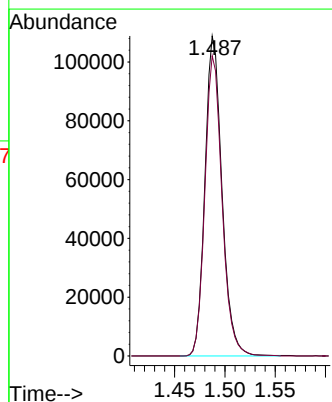
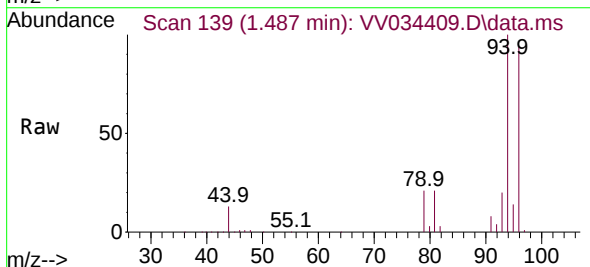


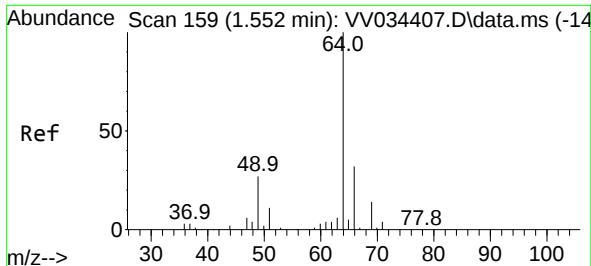
Tgt Ion: 62 Resp: 224405
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.4 43.4



#6
 Bromomethane
 Concen: 17.864 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

Tgt Ion: 94 Resp: 128203
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.5 121.7

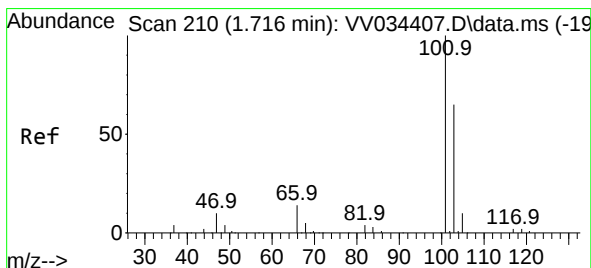
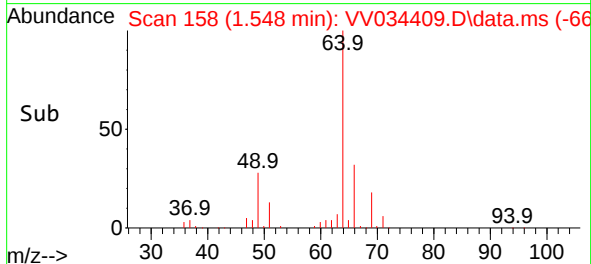
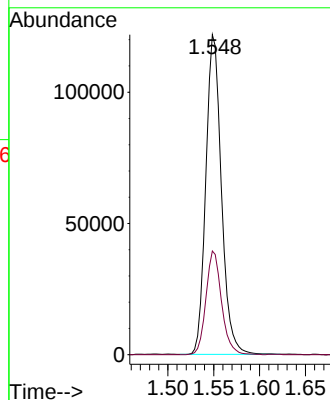
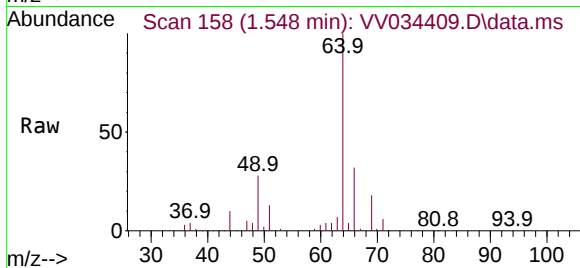




#8
Chloroethane
Concen: 15.698 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

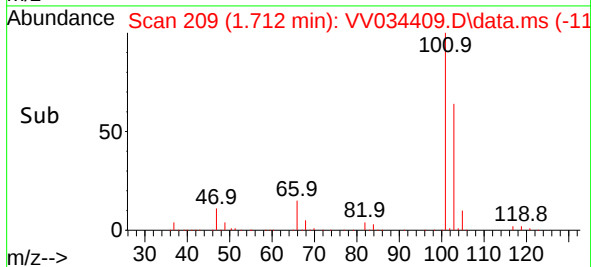
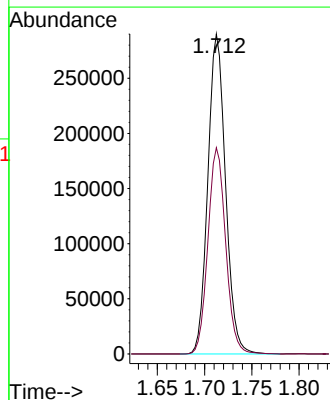
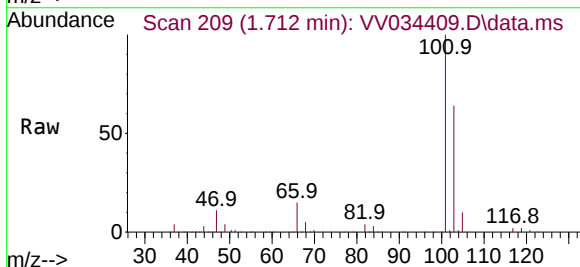
Instrument :
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ClientSampleId :

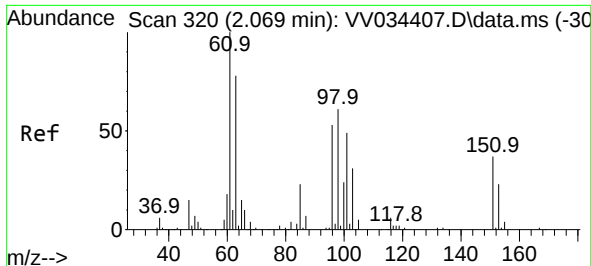
Tgt Ion: 64 Resp: 143973
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 19.394 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Tgt Ion:101 Resp: 377374
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 19.534 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

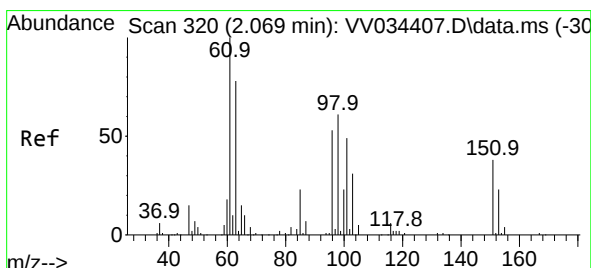
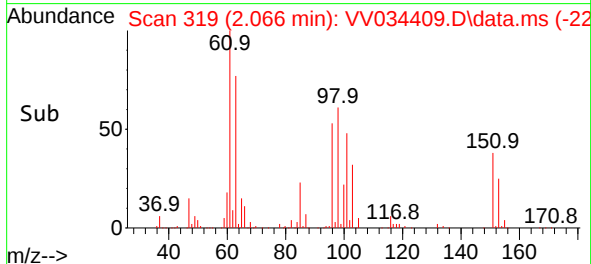
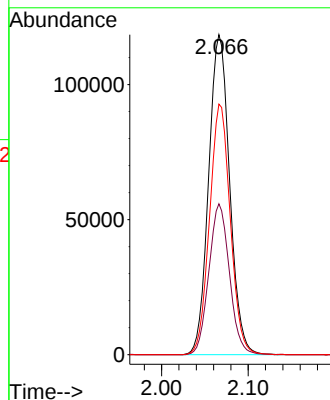
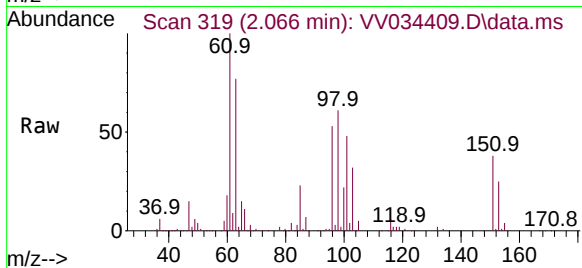
Tgt Ion:101 Resp: 199646

Ion Ratio Lower Upper

101 100

85 46.2 37.9 56.9

151 77.5 61.8 92.6



#12

1,1-Dichloroethene

Concen: 19.210 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

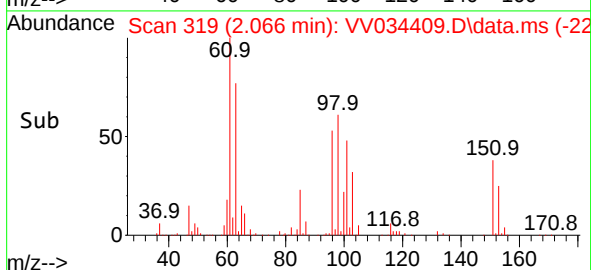
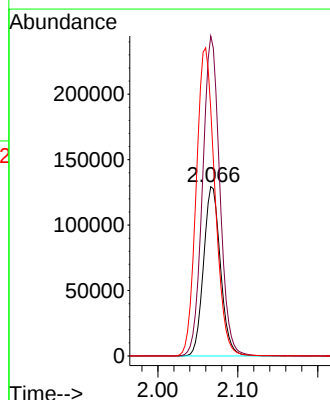
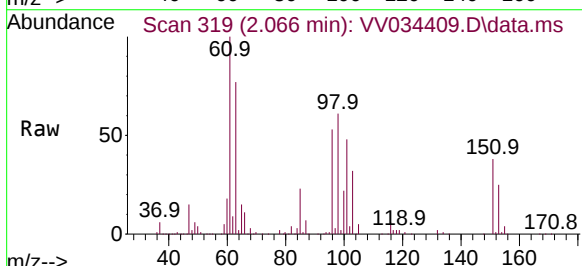
Tgt Ion: 96 Resp: 190571

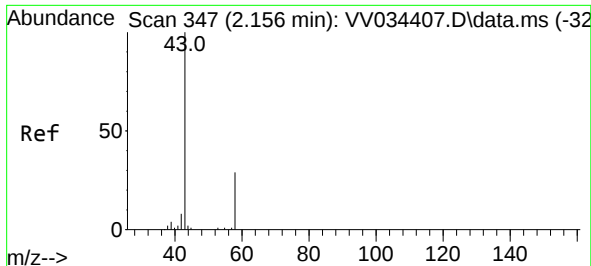
Ion Ratio Lower Upper

96 100

61 189.0 131.3 243.8

63 145.6 102.8 191.0





#13

Acetone

Concen: 272.597 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.016 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

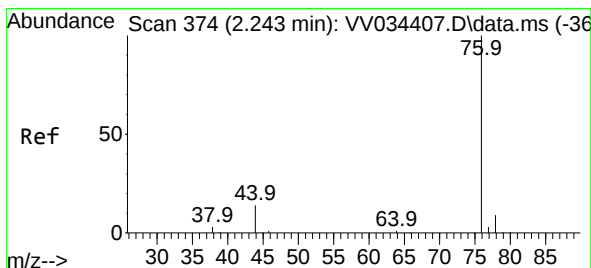
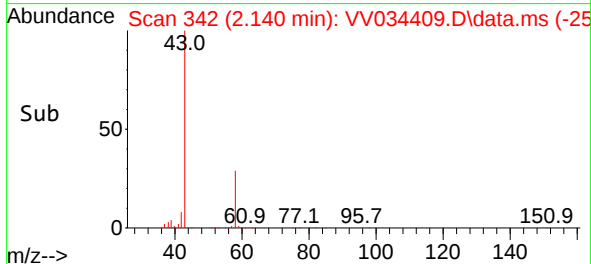
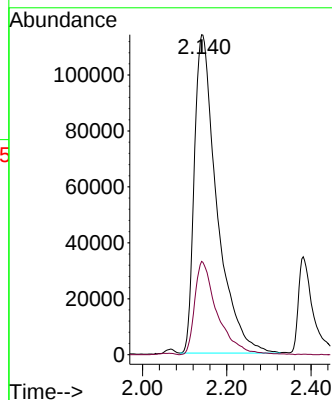
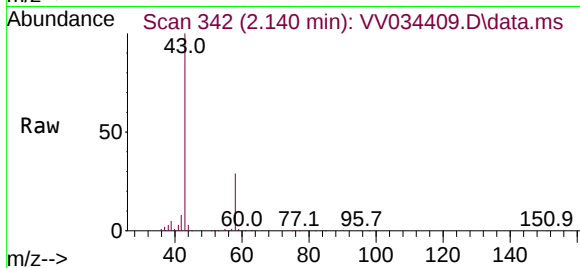
ClientSampleId :

Tgt Ion: 43 Resp: 422858

Ion Ratio Lower Upper

43 100

58 29.3 0.0 56.2



#14

Carbon disulfide

Concen: 17.103 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.006 min

Lab File: VV034409.D

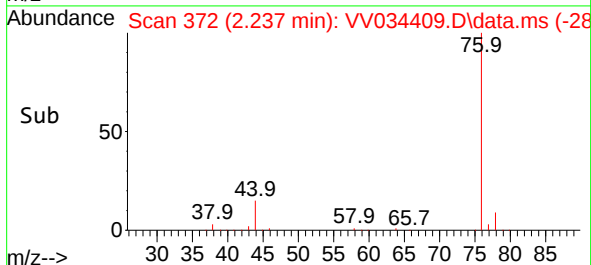
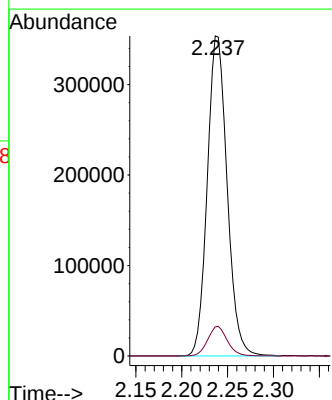
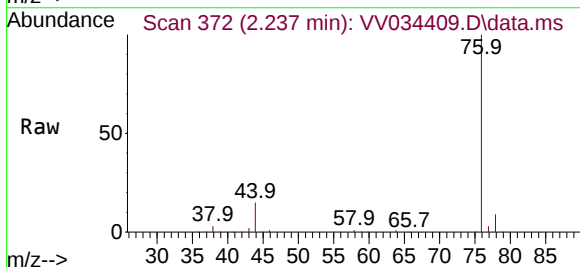
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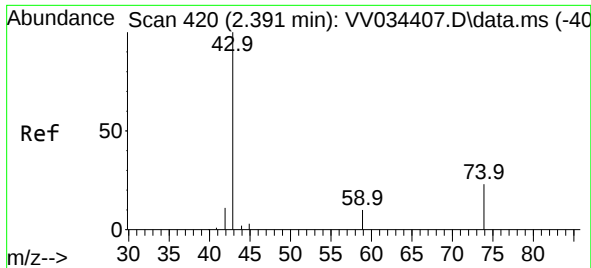
Tgt Ion: 76 Resp: 531166

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

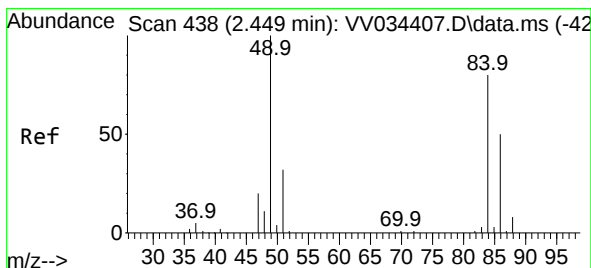
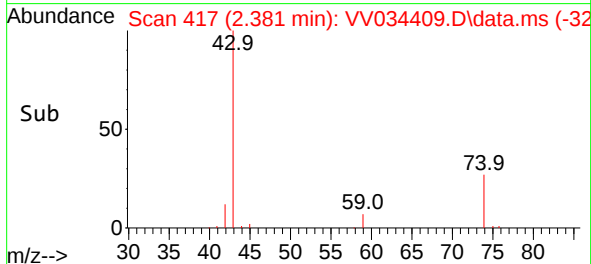
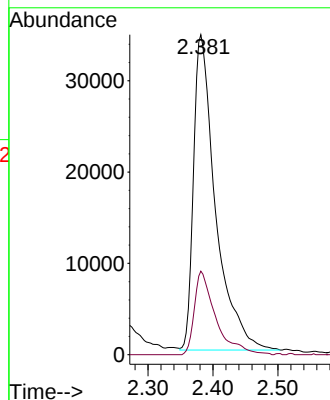
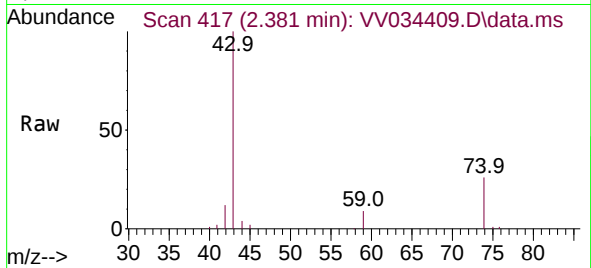




#15
Methyl Acetate
Concen: 22.943 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.010 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

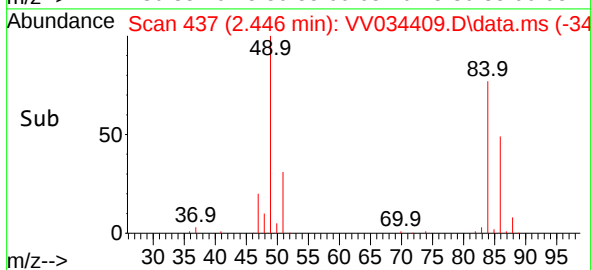
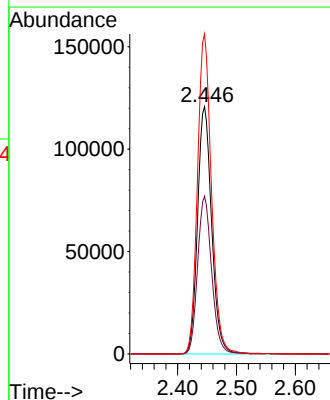
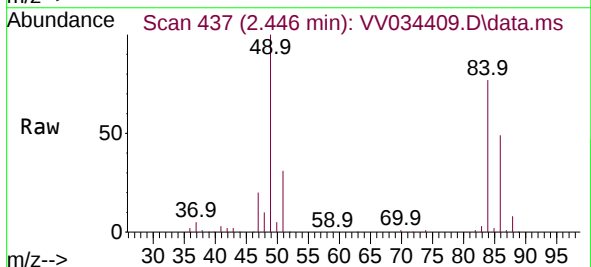
Instrument :
MSVOA_V
ClientSampleId :

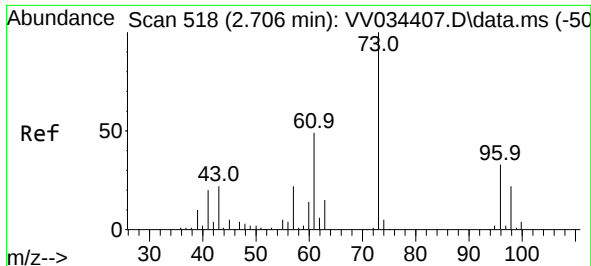
Tgt Ion: 43 Resp: 81425
Ion Ratio Lower Upper
43 100
74 25.8 18.6 28.0



#16
Methylene chloride
Concen: 20.490 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

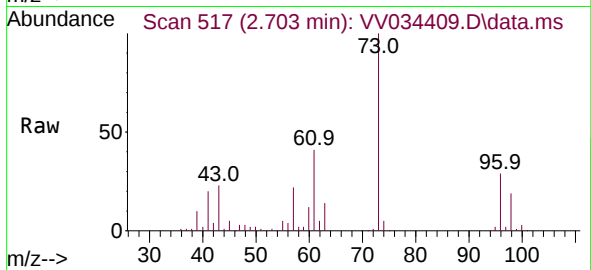
Tgt Ion: 84 Resp: 200444
Ion Ratio Lower Upper
84 100
86 63.8 43.8 81.4
49 129.4 87.6 162.8





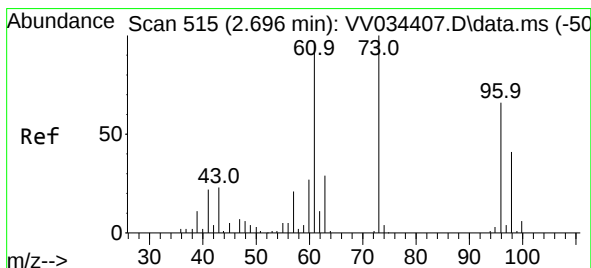
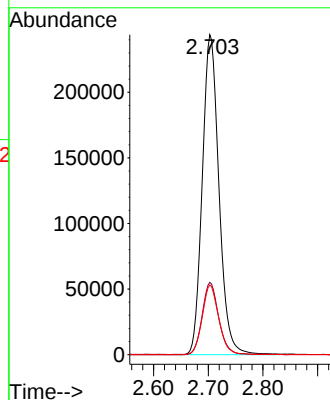
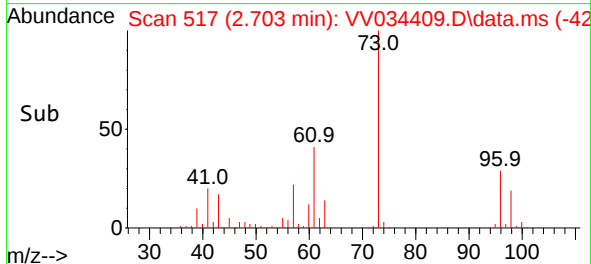
#17
Methyl tert-butyl Ether
Concen: 24.079 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Instrument :
MSVOA_V
ClientSampleId :

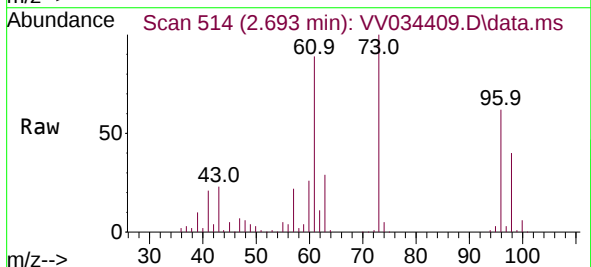


Tgt Ion: 73 Resp: 515889

Ion	Ratio	Lower	Upper
73	100		
43	22.1	18.0	27.0
57	21.6	17.0	25.6

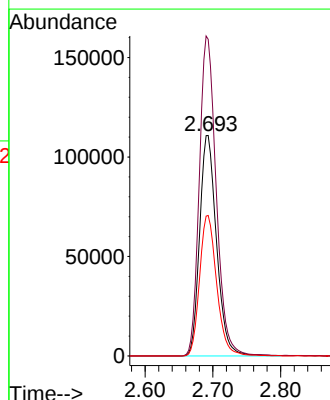
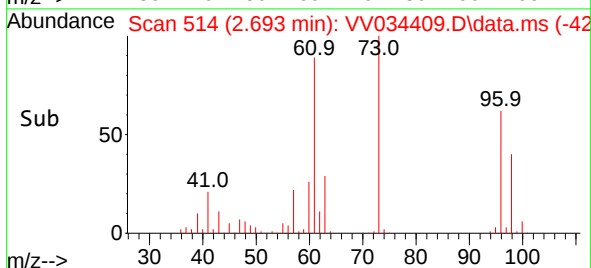


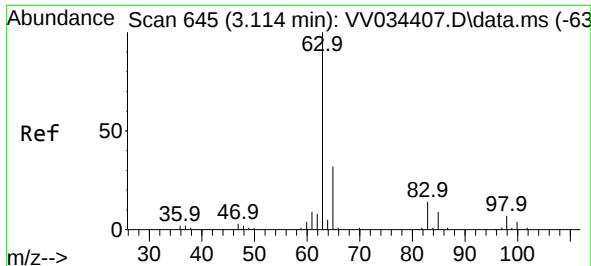
#18
trans-1,2-Dichloroethene
Concen: 18.976 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02



Tgt Ion: 96 Resp: 192255

Ion	Ratio	Lower	Upper
96	100		
61	143.7	101.3	188.1
98	63.8	43.5	80.7





#19

1,1-Dichloroethane

Concen: 19.924 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

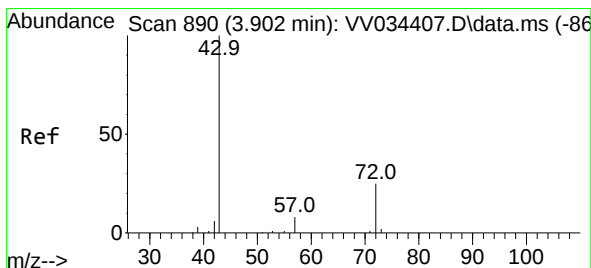
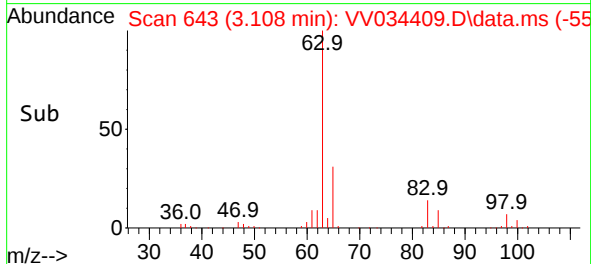
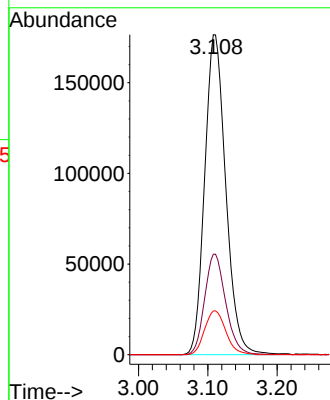
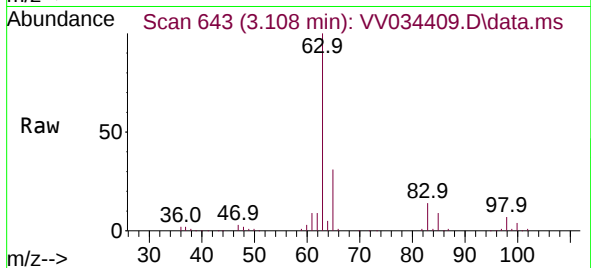
Tgt Ion: 63 Resp: 371990

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 13.6 10.1 18.9



#21

2-Butanone

Concen: 276.222 ug/L

RT: 3.880 min Scan# 883

Delta R.T. -0.022 min

Lab File: VV034409.D

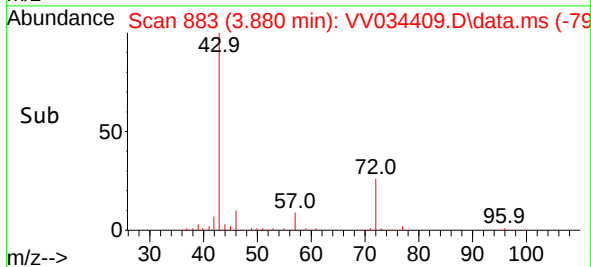
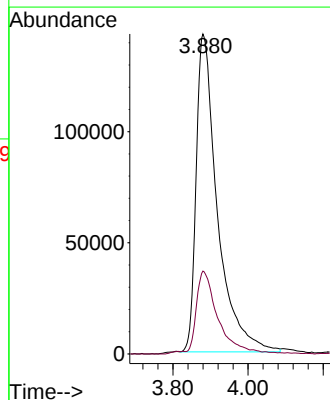
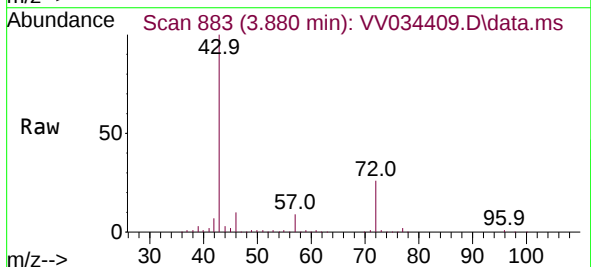
Acq: 26 Feb 2024 14:02

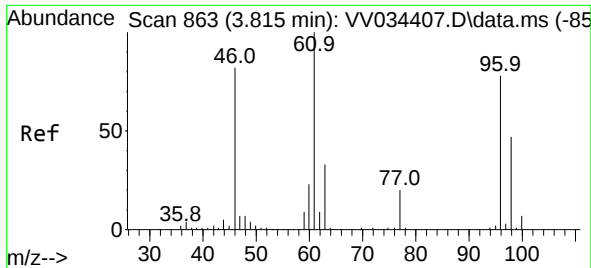
Tgt Ion: 43 Resp: 560773

Ion Ratio Lower Upper

43 100

72 25.0 12.4 37.0

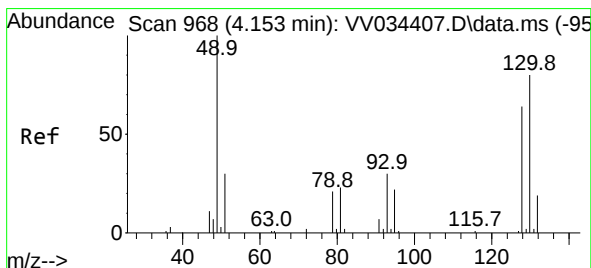
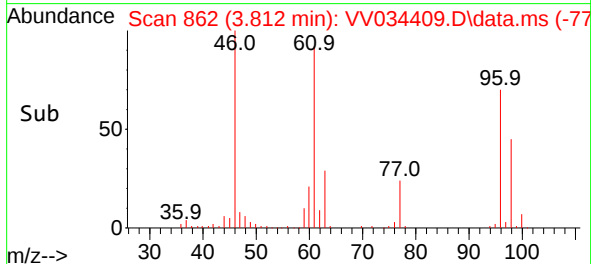
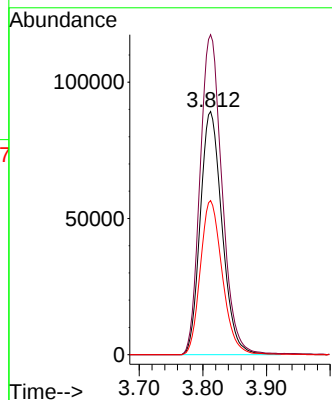
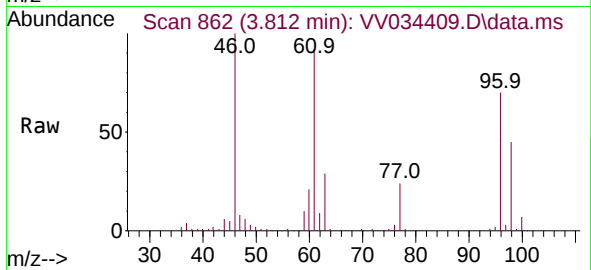




#22
 cis-1,2-Dichloroethene
 Concen: 18.538 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. -0.003 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

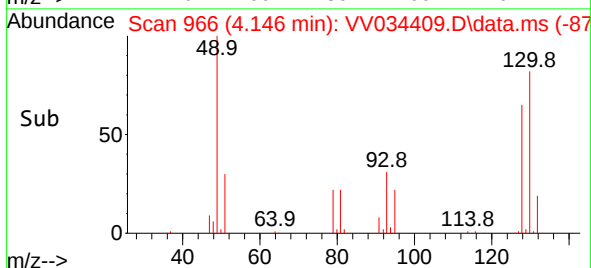
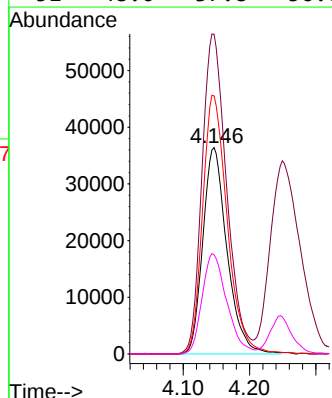
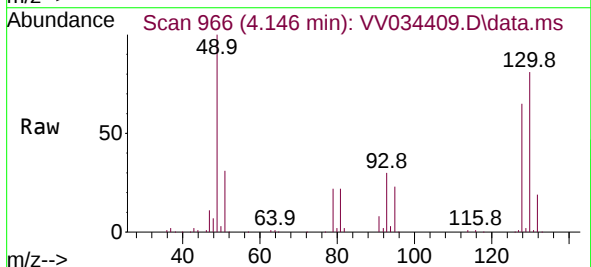
Instrument :
 MSVOA_V
 ClientSampleId :

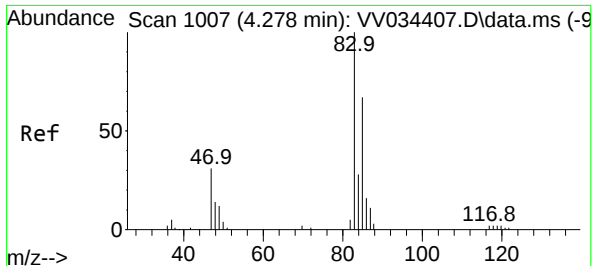
Tgt Ion: 96 Resp: 212861
 Ion Ratio Lower Upper
 96 100
 61 131.6 89.7 166.5
 98 63.4 42.0 78.0



#23
 Bromochloromethane
 Concen: 22.244 ug/L
 RT: 4.146 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

Tgt Ion: 128 Resp: 92011
 Ion Ratio Lower Upper
 128 100
 49 154.8 109.9 204.1
 130 125.0 87.7 162.9
 51 48.0 37.8 56.6





#25

Chloroform

Concen: 20.325 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

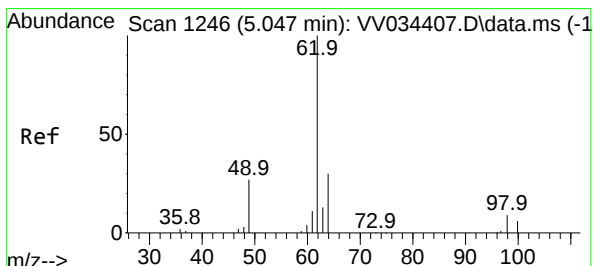
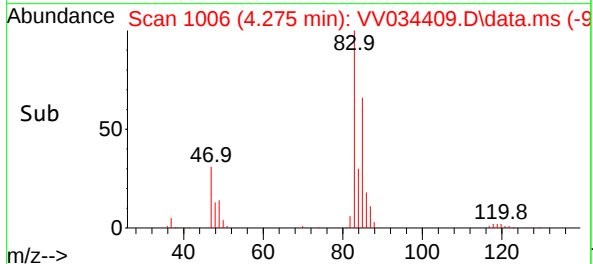
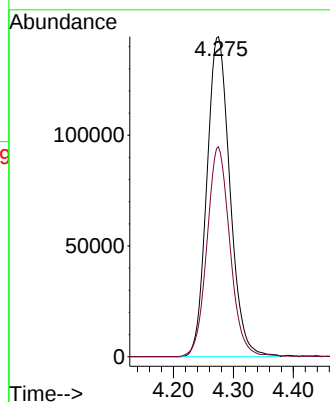
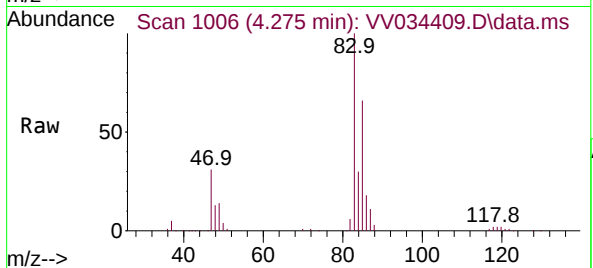
ClientSampleId :

Tgt Ion: 83 Resp: 386344

Ion Ratio Lower Upper

83 100

85 65.6 47.0 87.4



#27

1,2-Dichloroethane

Concen: 22.596 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.006 min

Lab File: VV034409.D

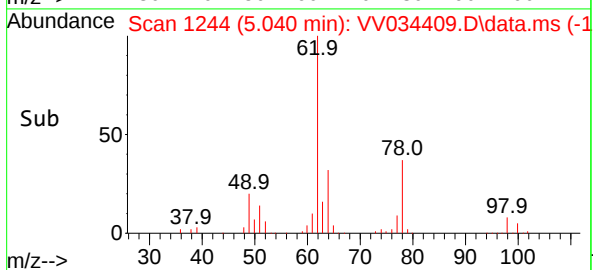
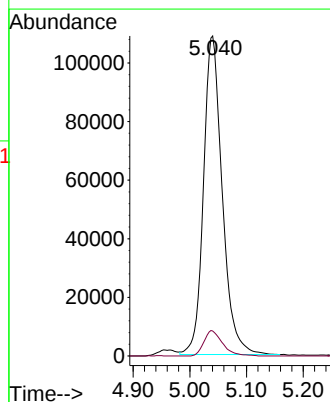
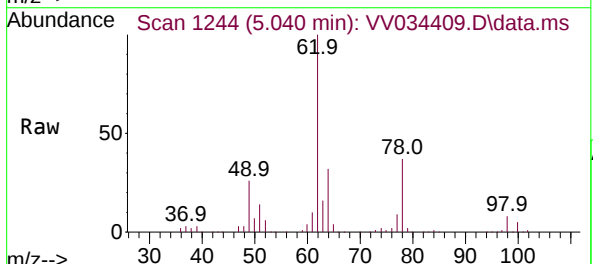
Acq: 26 Feb 2024 14:02

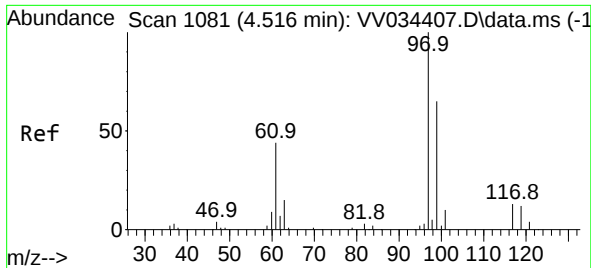
Tgt Ion: 62 Resp: 249872

Ion Ratio Lower Upper

62 100

98 7.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 19.615 ug/L

RT: 4.510 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

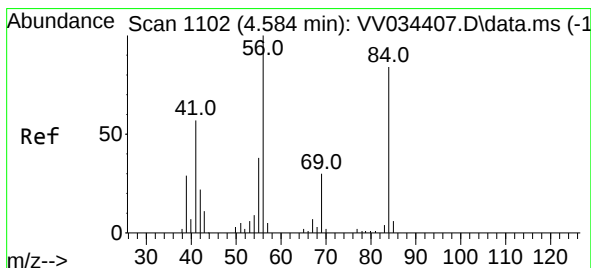
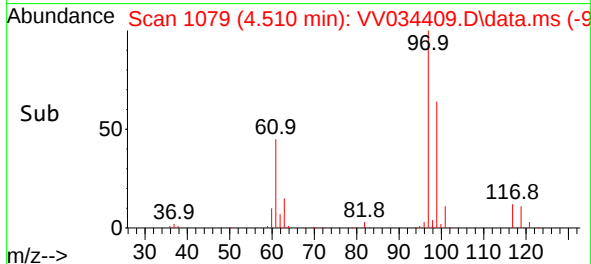
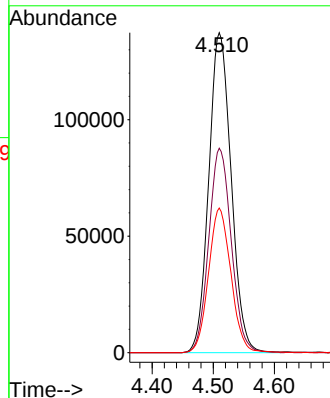
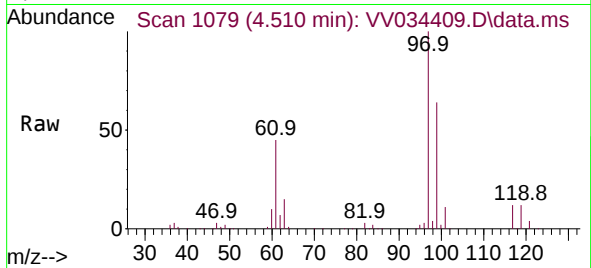
Tgt Ion: 97 Resp: 349962

Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 45.2 36.1 54.1



#30

Cyclohexane

Concen: 17.794 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

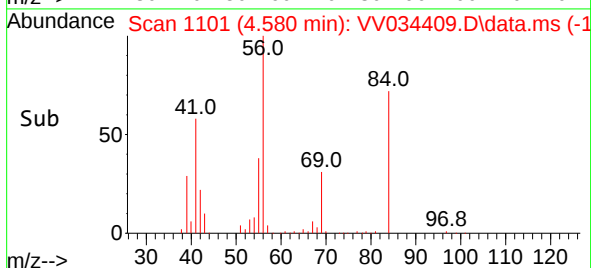
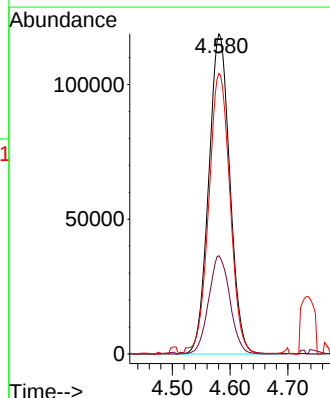
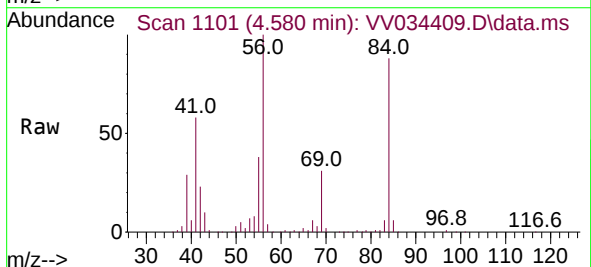
Tgt Ion: 56 Resp: 301521

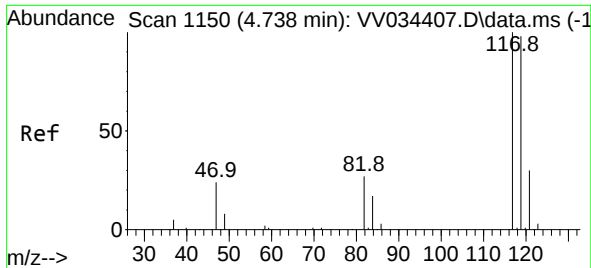
Ion Ratio Lower Upper

56 100

69 30.9 24.5 36.7

84 88.5 70.3 105.5

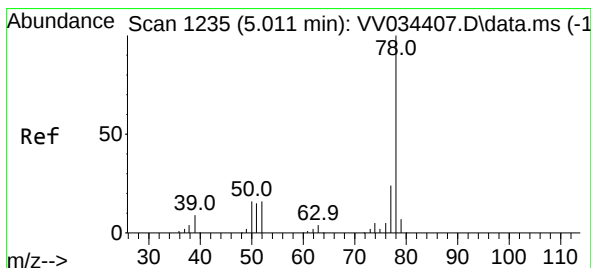
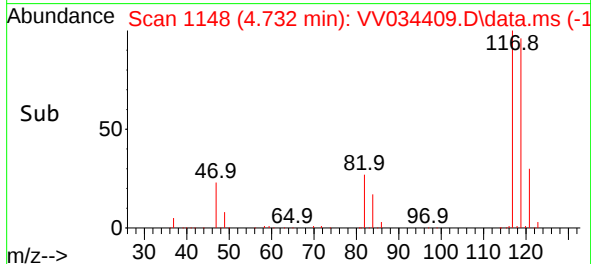
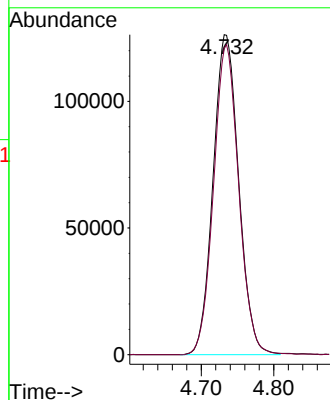
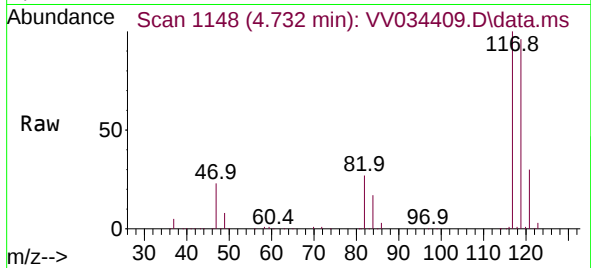




#31
Carbon tetrachloride
Concen: 19.914 ug/L
RT: 4.732 min Scan# 1150
Delta R.T. -0.006 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

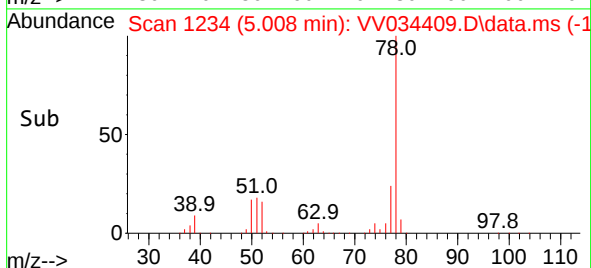
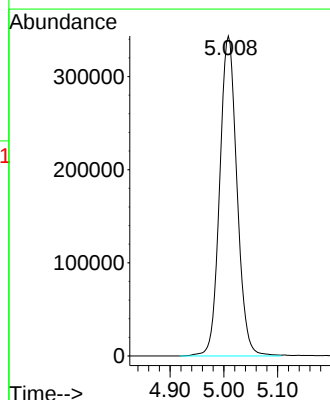
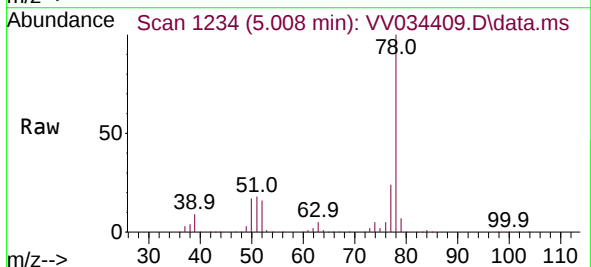
Instrument :
MSVOA_V
ClientSampleId :

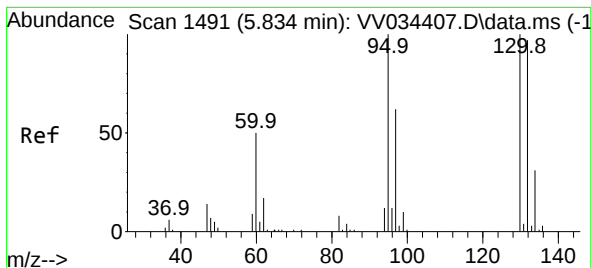
Tgt Ion:117 Resp: 309619
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6



#33
Benzene
Concen: 19.293 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Tgt Ion: 78 Resp: 767918





#34

Trichloroethene

Concen: 18.031 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 206842

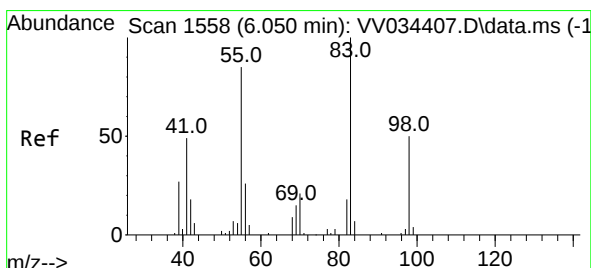
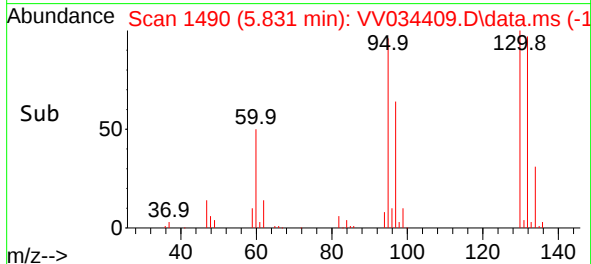
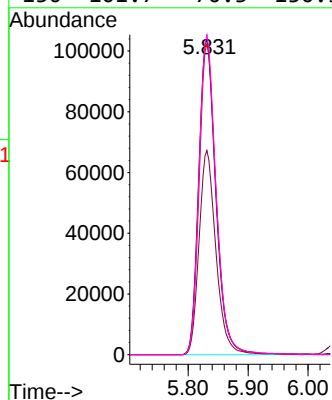
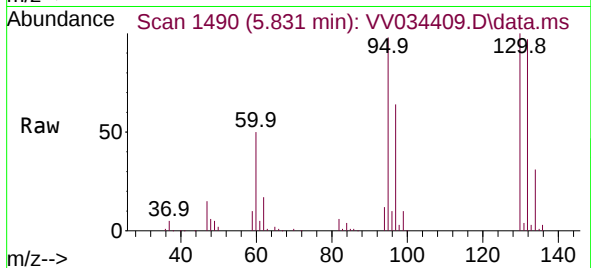
Ion Ratio Lower Upper

95 100

97 64.9 43.3 80.5

132 98.8 67.8 126.0

130 101.7 70.3 130.5



#35

Methylcyclohexane

Concen: 17.708 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

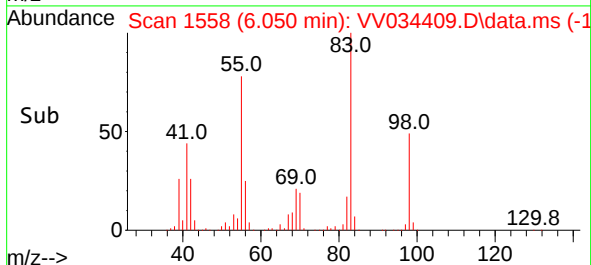
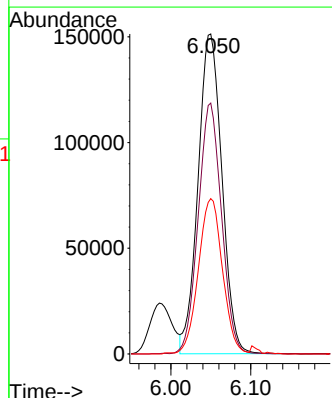
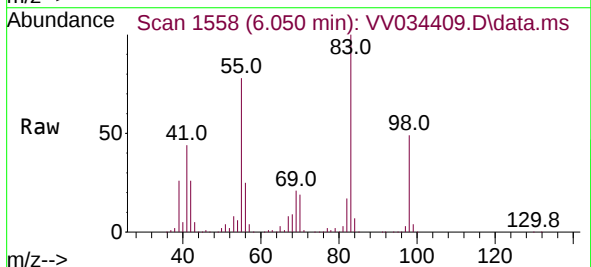
Tgt Ion: 83 Resp: 314583

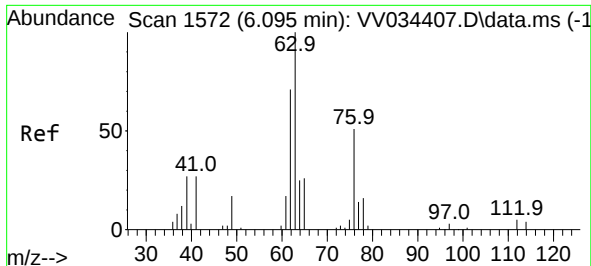
Ion Ratio Lower Upper

83 100

55 76.5 61.9 92.9

98 49.1 38.1 57.1





#37

1,2-Dichloropropane

Concen: 19.741 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

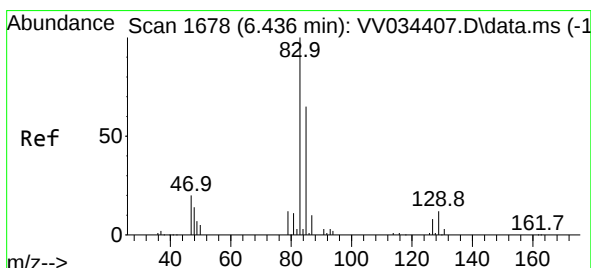
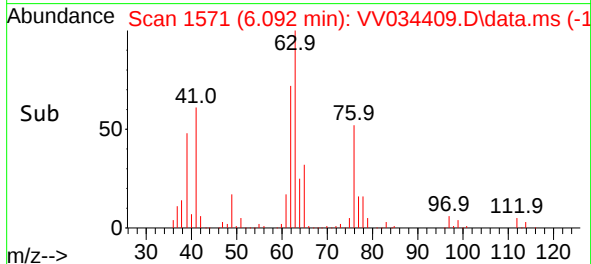
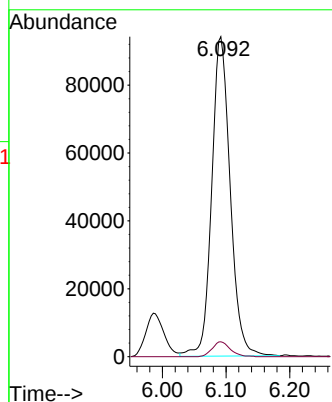
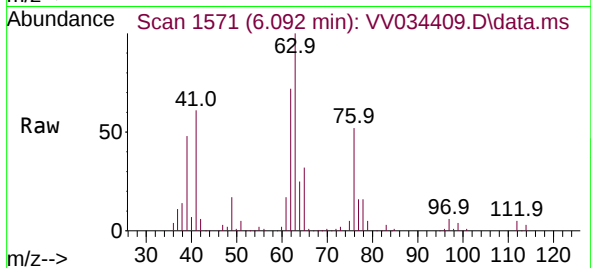
ClientSampleId :

Tgt Ion: 63 Resp: 189977

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.0



#38

Bromodichloromethane

Concen: 21.069 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.006 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

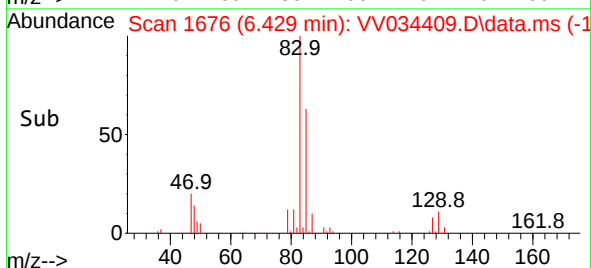
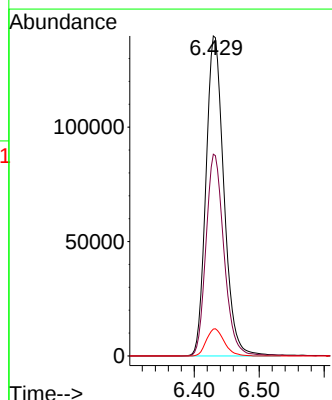
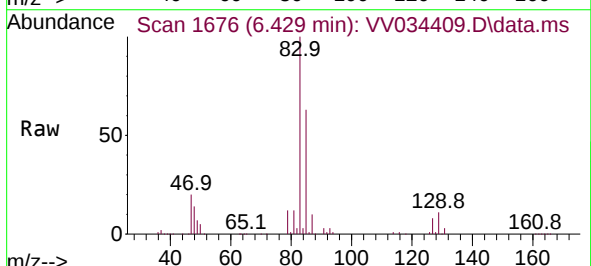
Tgt Ion: 83 Resp: 269091

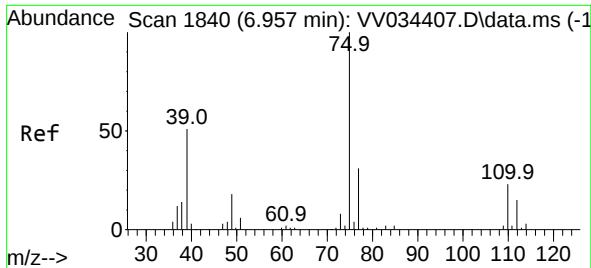
Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

127 8.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 20.985 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

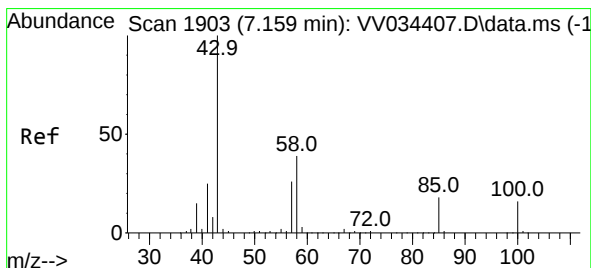
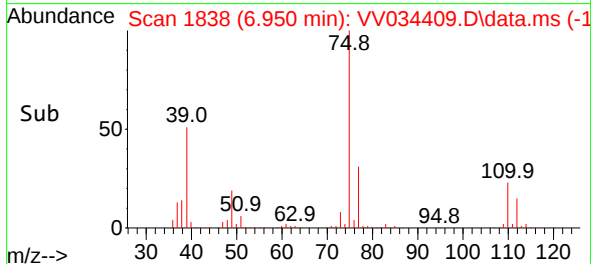
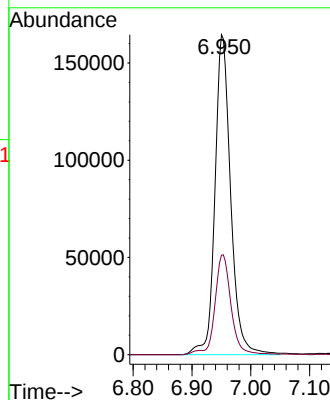
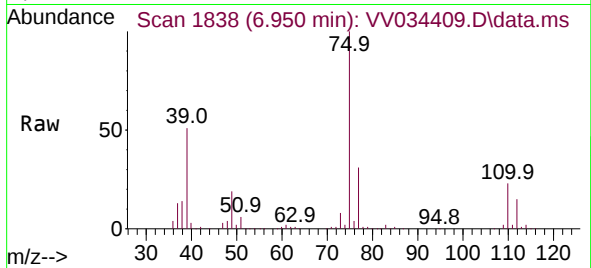
ClientSampleId :

Tgt Ion: 75 Resp: 305370

Ion Ratio Lower Upper

75 100

77 31.1 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 255.975 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

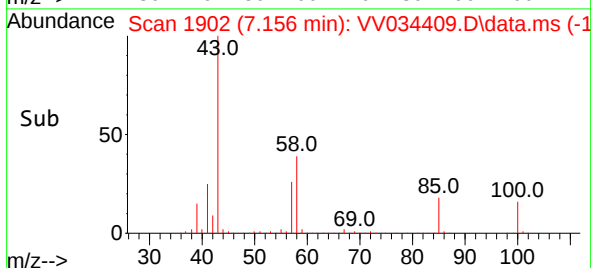
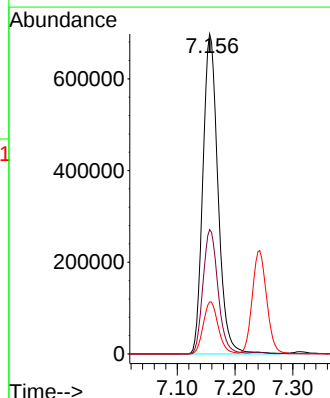
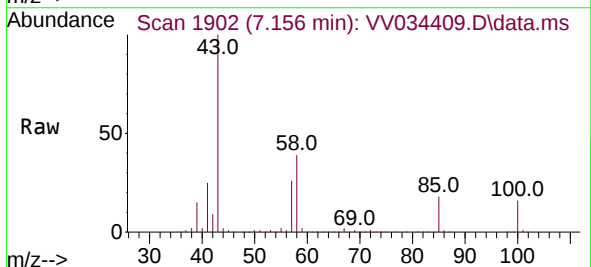
Tgt Ion: 43 Resp: 1266756

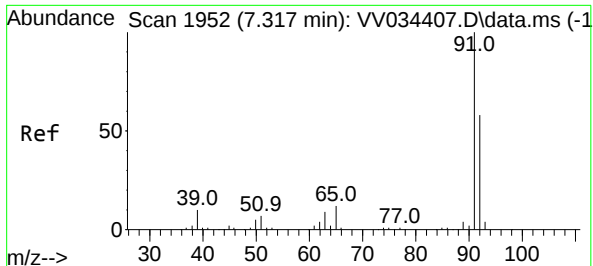
Ion Ratio Lower Upper

43 100

58 38.8 30.7 46.1

100 16.2 12.3 18.5





#42

Toluene

Concen: 19.218 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

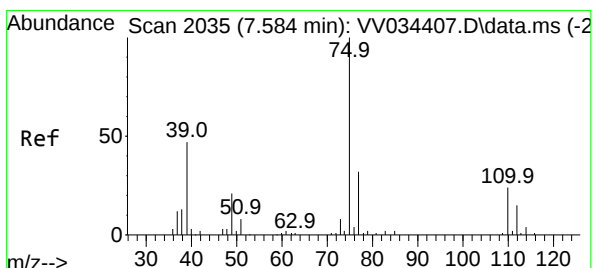
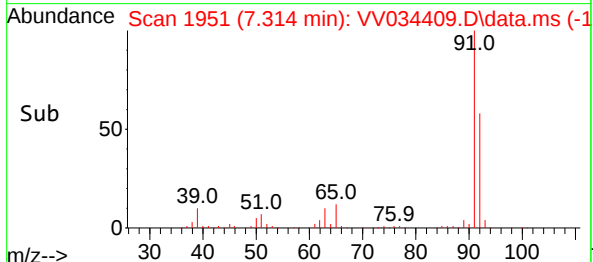
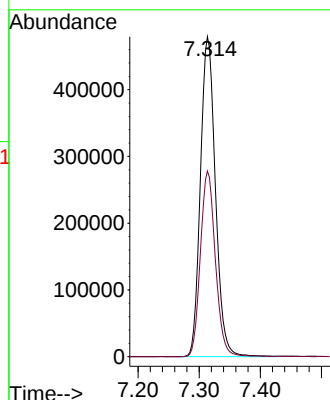
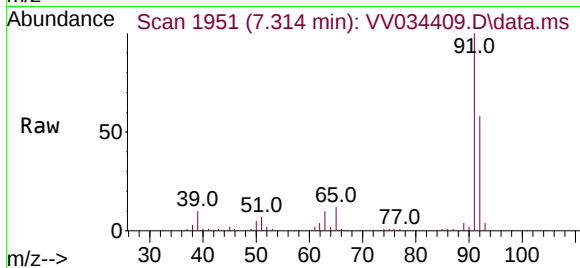
ClientSampleId :

Tgt Ion: 91 Resp: 818561

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 22.987 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV034409.D

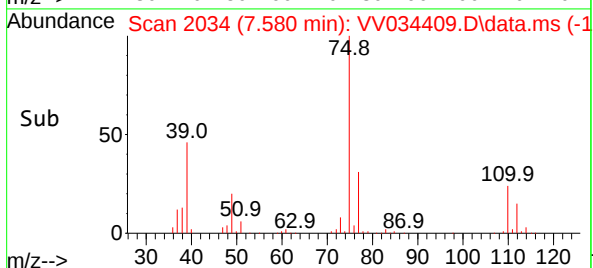
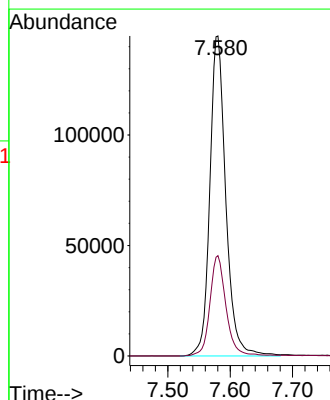
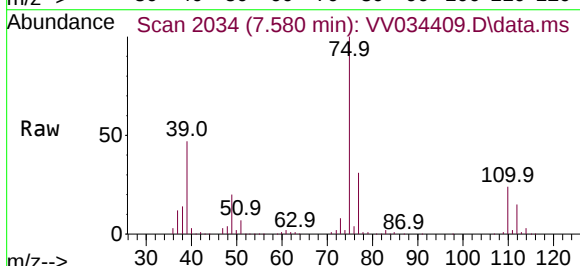
Acq: 26 Feb 2024 14:02

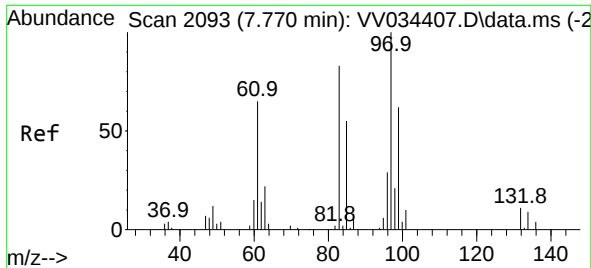
Tgt Ion: 75 Resp: 257637

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

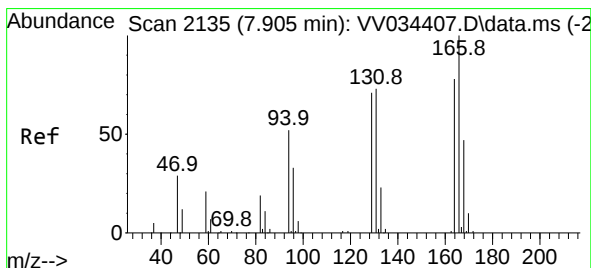
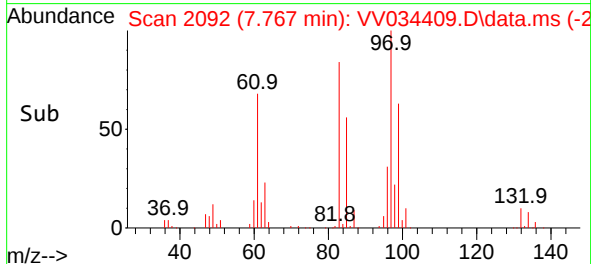
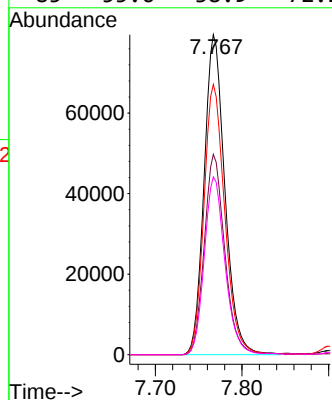
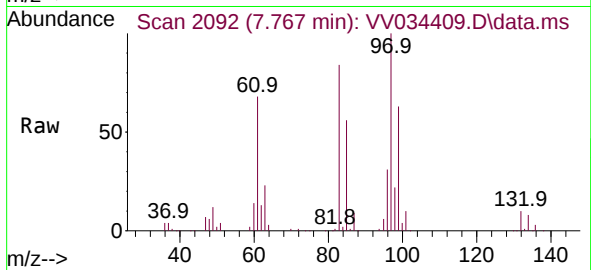




#45
1,1,2-Trichloroethane
Concen: 21.432 ug/L
RT: 7.767 min Scan# 2093
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

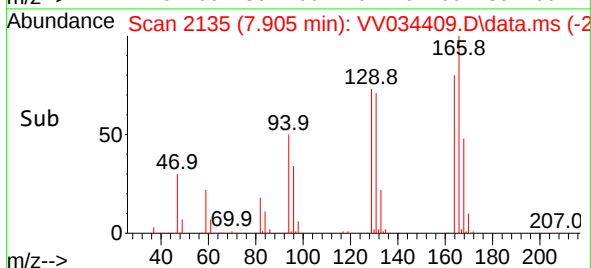
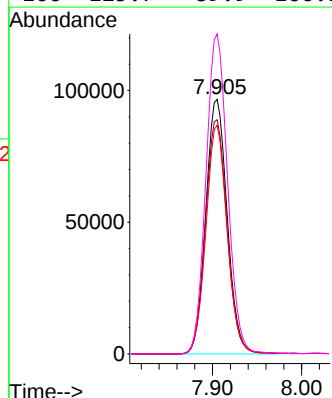
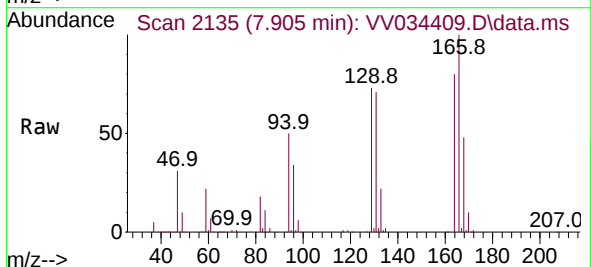
Instrument :
MSVOA_V
ClientSampleId :

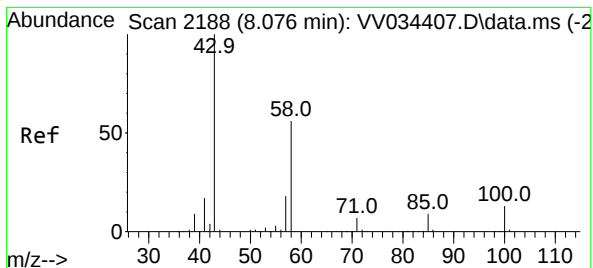
Tgt Ion: 97	Resp: 132596		
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.5
83	84.4	57.9	107.5
85	55.6	38.9	72.2



#47
Tetrachloroethene
Concen: 17.395 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Tgt	Ion:164	Resp:	161689
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.2	119.2
131	89.8	65.9	122.3
166	125.7	89.9	166.9





#48

2-Hexanone

Concen: 258.201 ug/L

RT: 8.076 min Scan# 2188

Delta R.T. 0.000 min

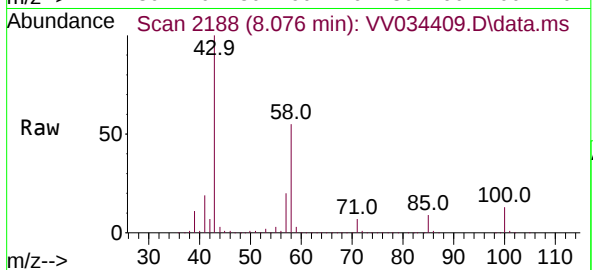
Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 901328

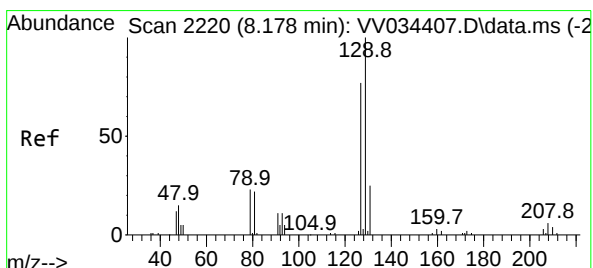
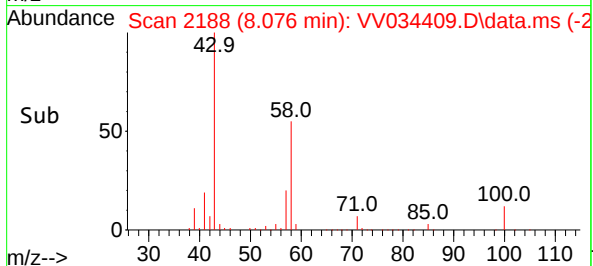
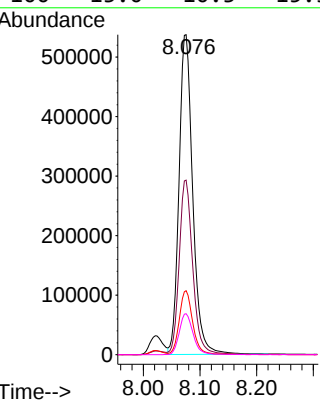
Ion Ratio Lower Upper

43 100

58 53.8 43.4 65.0

57 19.4 15.5 23.3

100 13.0 10.3 15.5



#49

Dibromochloromethane

Concen: 22.389 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.003 min

Lab File: VV034409.D

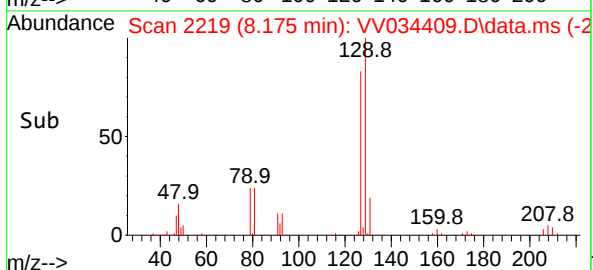
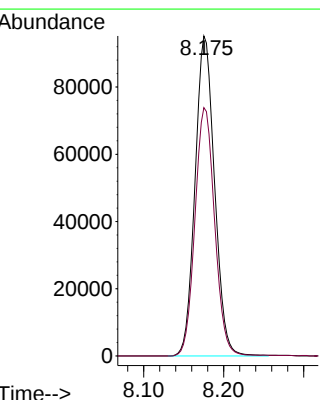
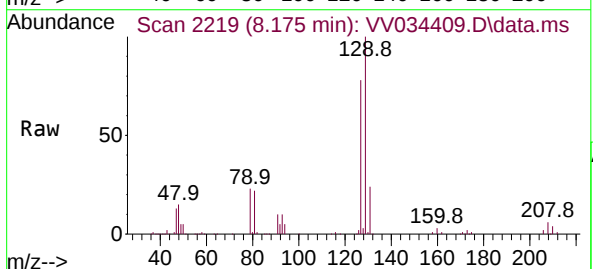
Acq: 26 Feb 2024 14:02

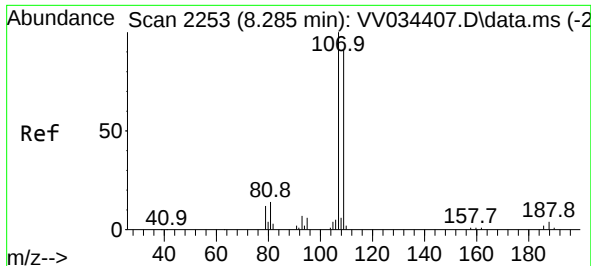
Tgt Ion:129 Resp: 161395

Ion Ratio Lower Upper

129 100

127 77.6 54.0 100.4





#50

1,2-Dibromoethane

Concen: 22.622 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

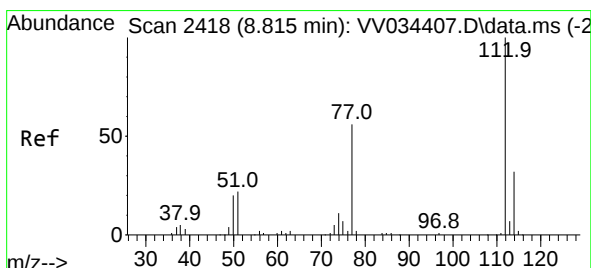
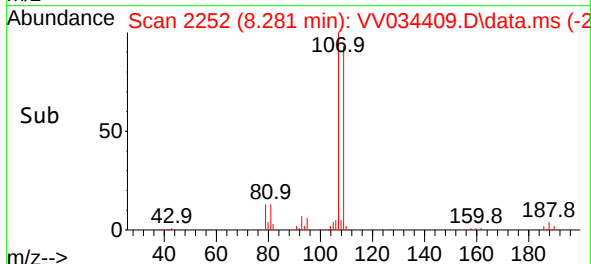
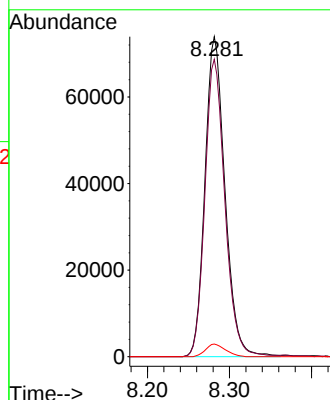
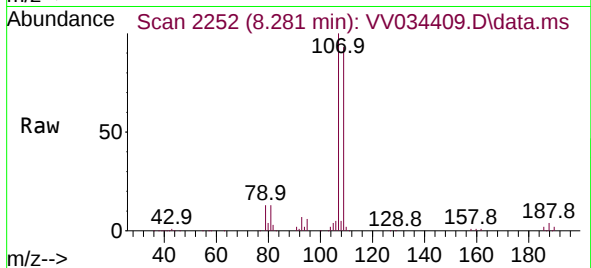
Tgt Ion:107 Resp: 125333

Ion Ratio Lower Upper

107 100

109 93.0 63.8 118.4

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 19.609 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

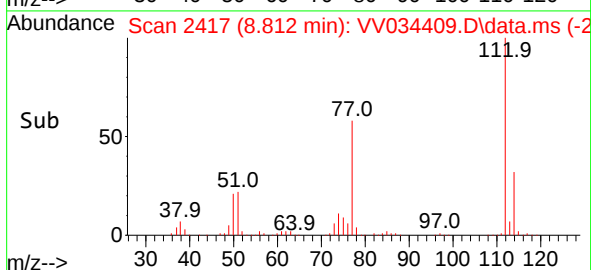
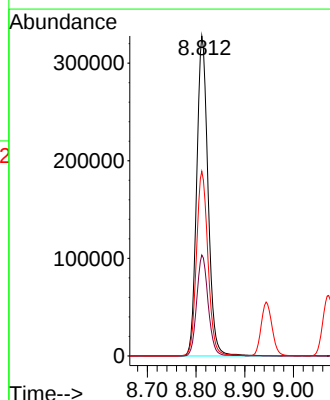
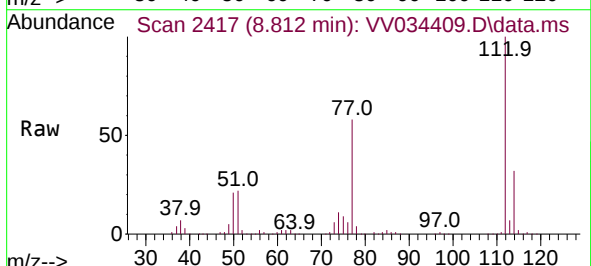
Tgt Ion:112 Resp: 530483

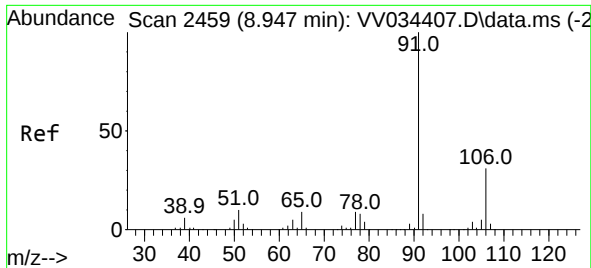
Ion Ratio Lower Upper

112 100

114 31.5 22.5 41.9

77 57.7 45.4 68.2

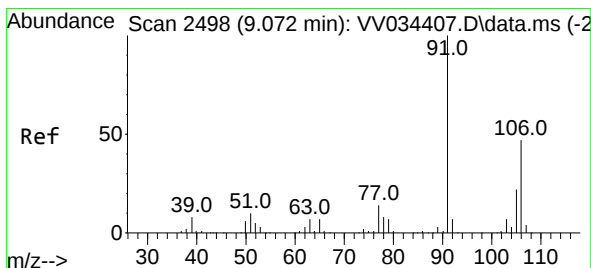
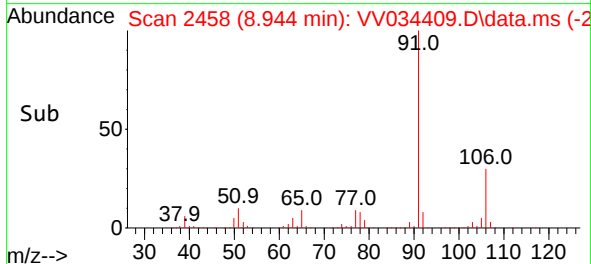
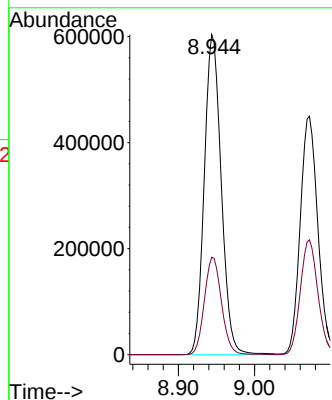
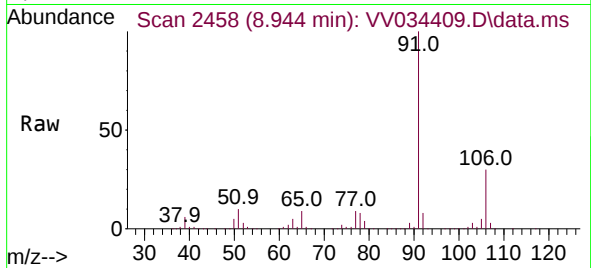




#52
Ethylbenzene
Concen: 19.236 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

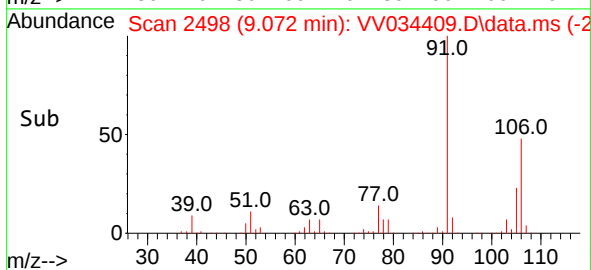
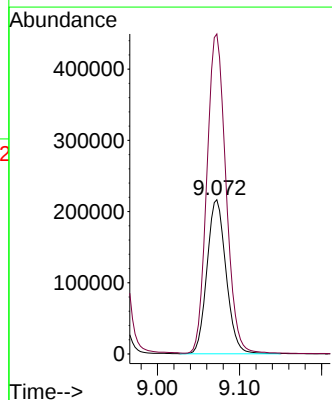
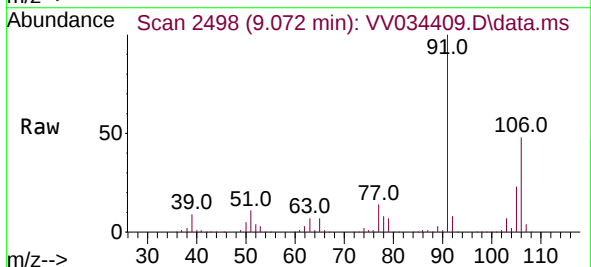
Instrument :
MSVOA_V
ClientSampleId :

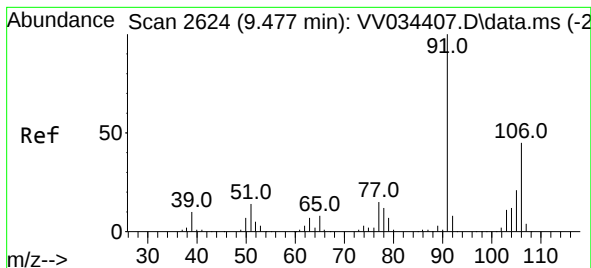
Tgt Ion: 91 Resp: 936993
Ion Ratio Lower Upper
91 100
106 30.4 21.4 39.8



#53
m,p-Xylene
Concen: 18.960 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Tgt Ion:106 Resp: 348403
Ion Ratio Lower Upper
106 100
91 207.4 148.5 275.9





#54

o-Xylene

Concen: 19.366 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

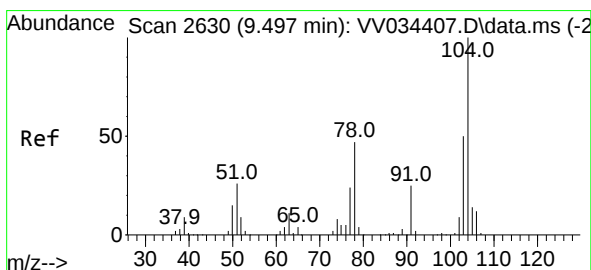
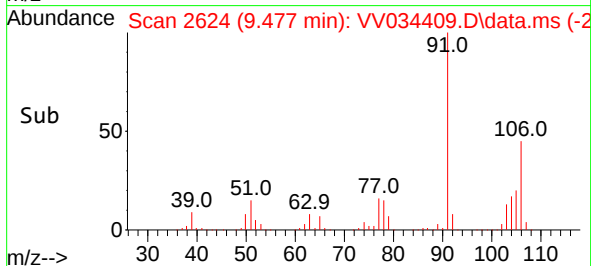
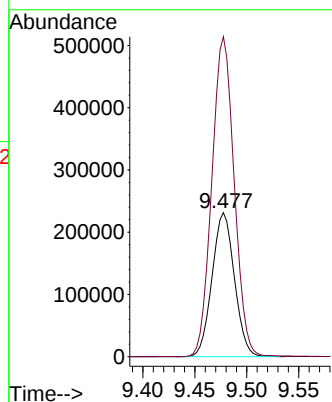
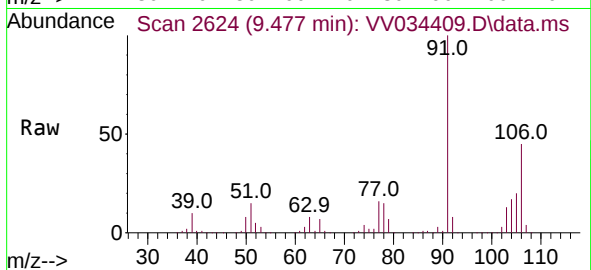
ClientSampleId :

Tgt Ion:106 Resp: 345704

Ion Ratio Lower Upper

106 100

91 222.1 155.8 289.3



#55

Styrene

Concen: 20.514 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.003 min

Lab File: VV034409.D

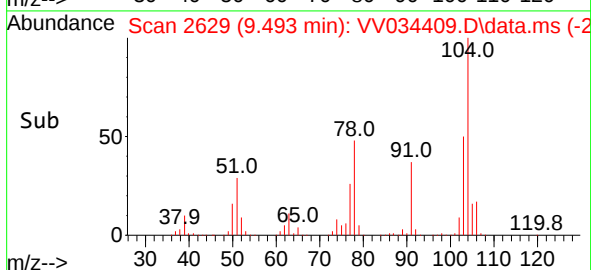
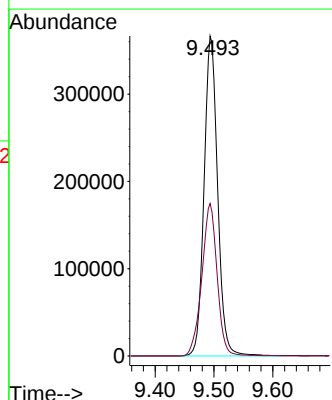
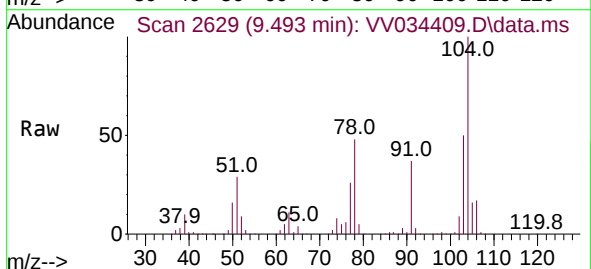
Acq: 26 Feb 2024 14:02

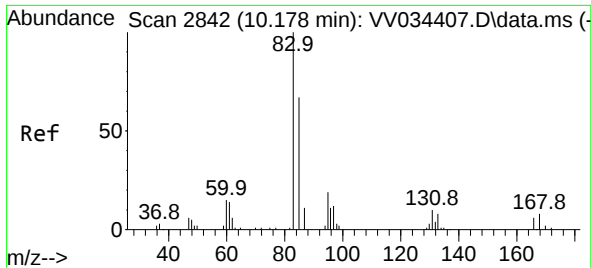
Tgt Ion:104 Resp: 586208

Ion Ratio Lower Upper

104 100

78 47.6 32.9 61.1

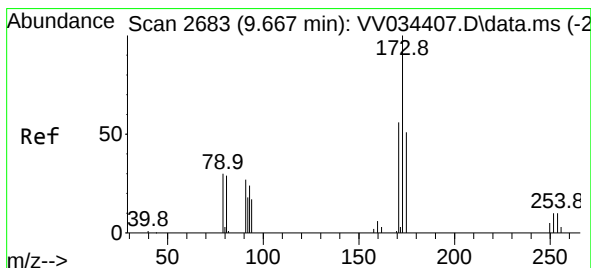
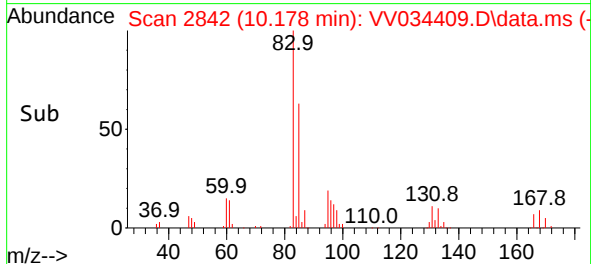
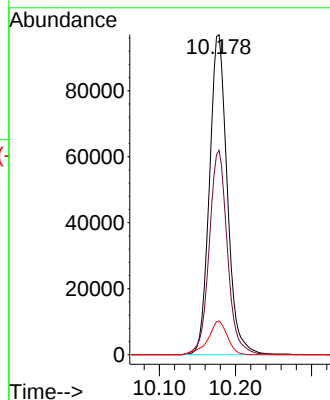
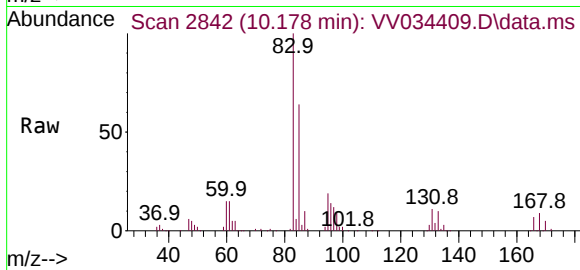




#57
 1,1,2,2-Tetrachloroethane
 Concen: 23.945 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

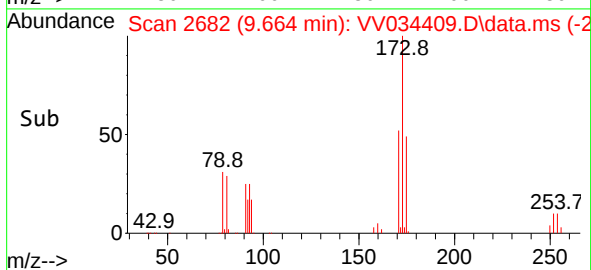
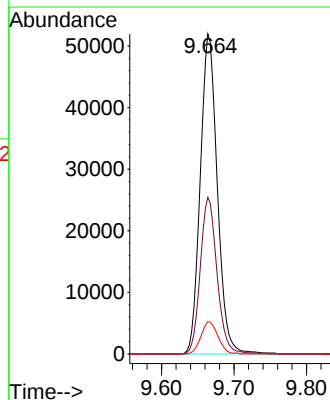
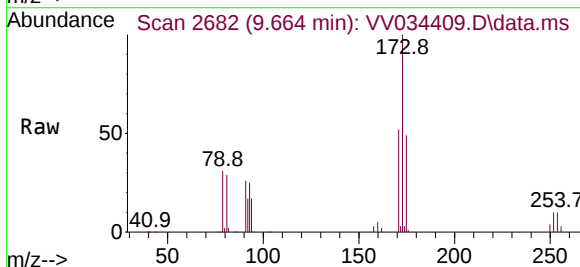
Instrument :
 MSVOA_V
 ClientSampleId :

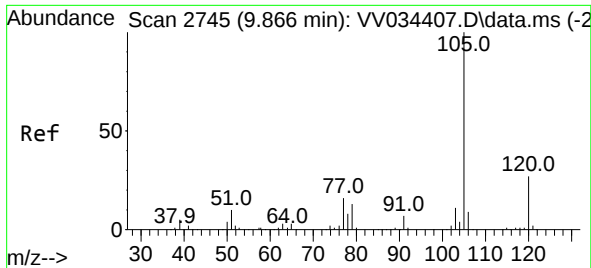
Tgt Ion: 83 Resp: 157672
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.7 86.7
 131 10.5 8.6 12.8



#59
 Bromoform
 Concen: 21.736 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.003 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

Tgt Ion: 173 Resp: 84807
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.9 58.3
 254 10.0 7.8 11.6

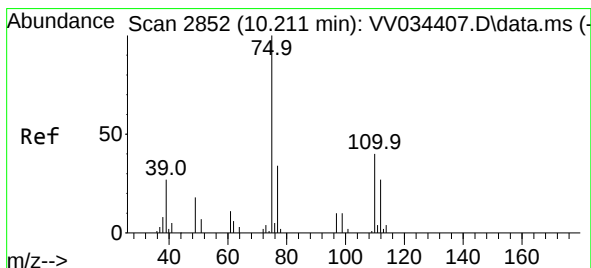
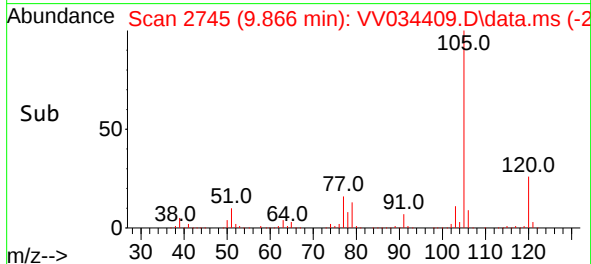
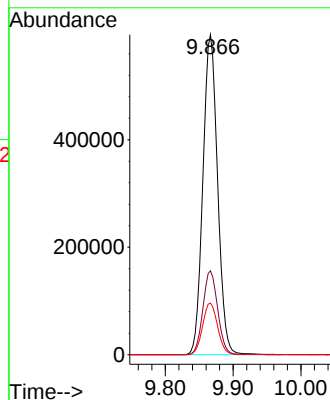
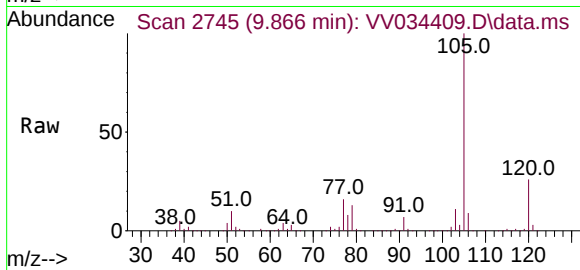




#60
Isopropylbenzene
Concen: 17.505 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

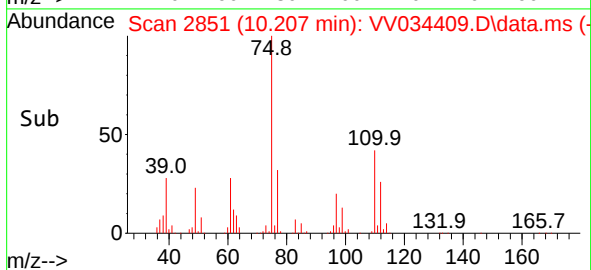
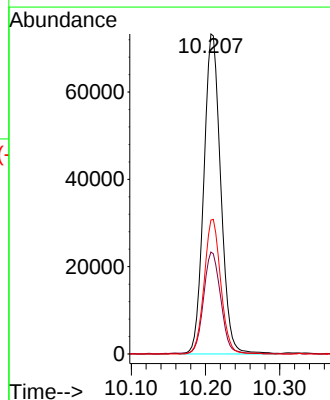
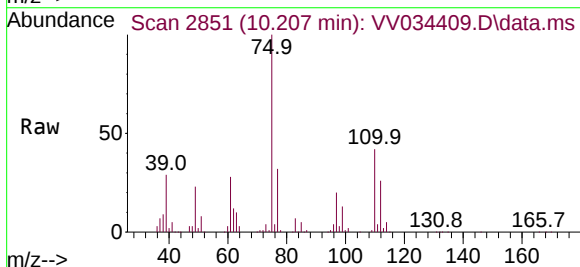
Instrument :
MSVOA_V
ClientSampleId :

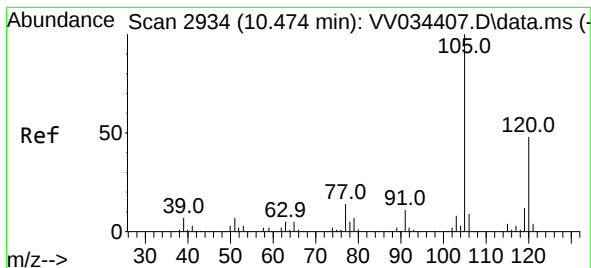
Tgt Ion:105 Resp: 895927
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 16.6 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 22.837 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV034409.D
Acq: 26 Feb 2024 14:02

Tgt Ion: 75 Resp: 116414
Ion Ratio Lower Upper
75 100
77 32.5 27.7 41.5
110 40.9 32.0 48.0





#62

1,3,5-Trimethylbenzene

Concen: 18.365 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

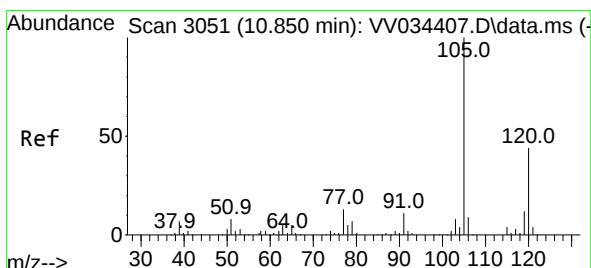
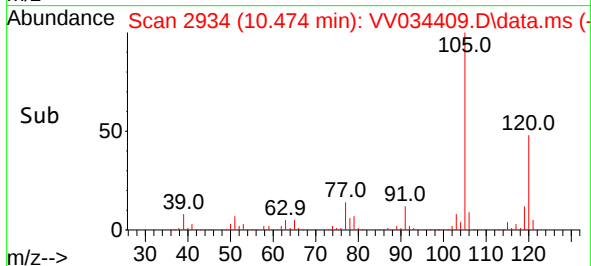
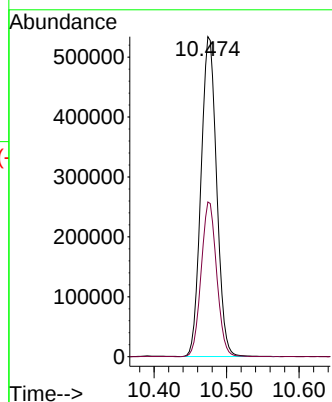
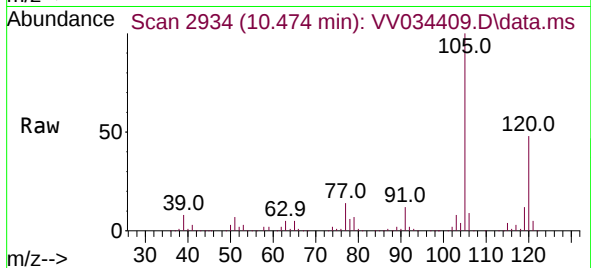
ClientSampleId :

Tgt Ion:105 Resp: 800037

Ion Ratio Lower Upper

105 100

120 47.8 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 18.956 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034409.D

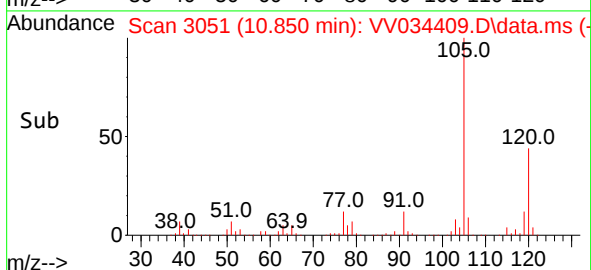
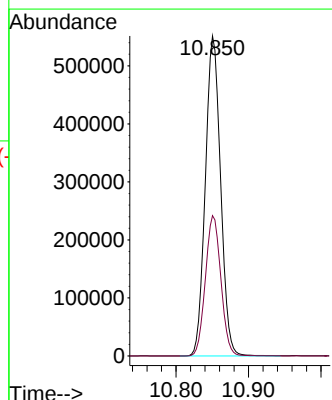
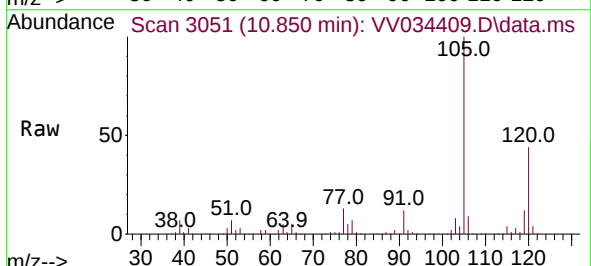
Acq: 26 Feb 2024 14:02

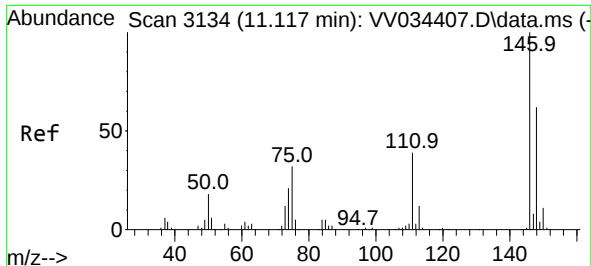
Tgt Ion:105 Resp: 806345

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.2

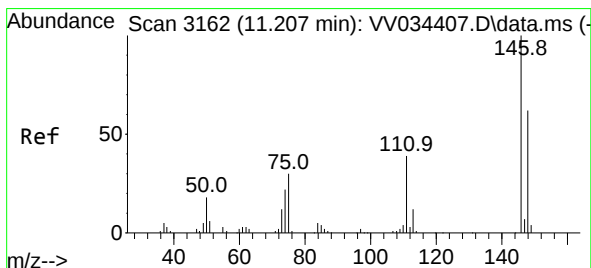
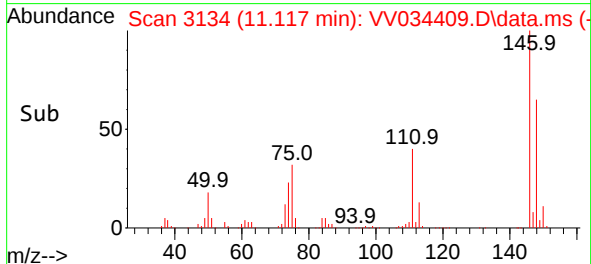
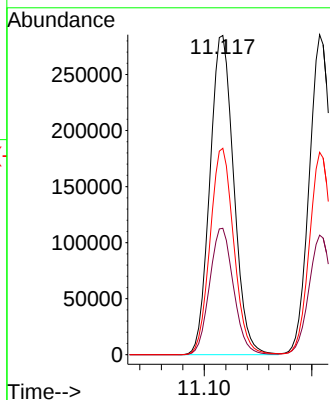
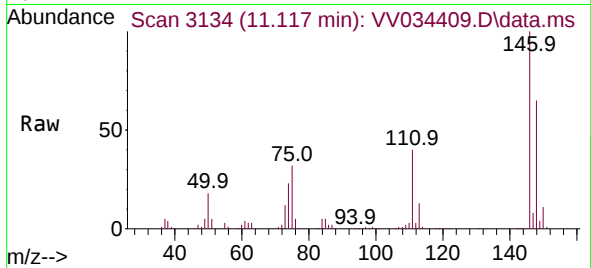




#64
 1,3-Dichlorobenzene
 Concen: 19.302 ug/L
 RT: 11.117 min Scan# 3134
 Delta R.T. 0.000 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

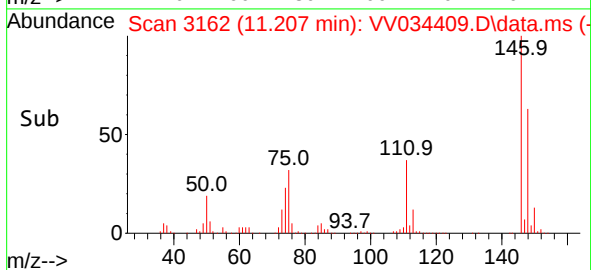
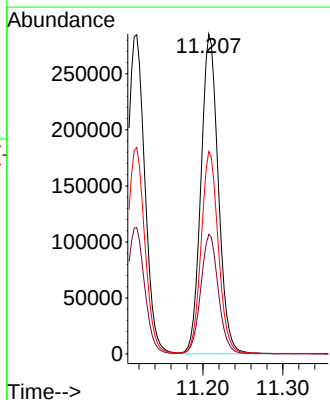
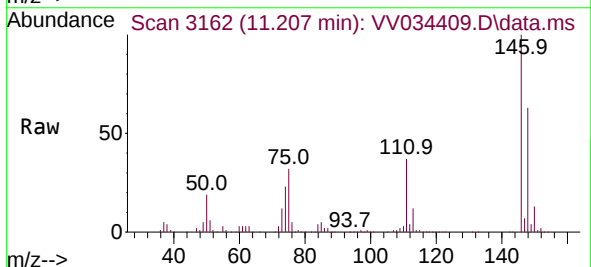
Instrument :
 MSVOA_V
 ClientSampleId :

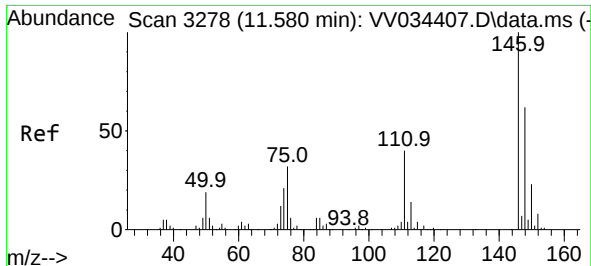
Tgt Ion:146 Resp: 439896
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.0 50.2
 148 64.7 43.1 80.1



#65
 1,4-Dichlorobenzene
 Concen: 19.043 ug/L
 RT: 11.207 min Scan# 3162
 Delta R.T. 0.000 min
 Lab File: VV034409.D
 Acq: 26 Feb 2024 14:02

Tgt Ion:146 Resp: 430377
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.2 50.6
 148 63.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 20.341 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

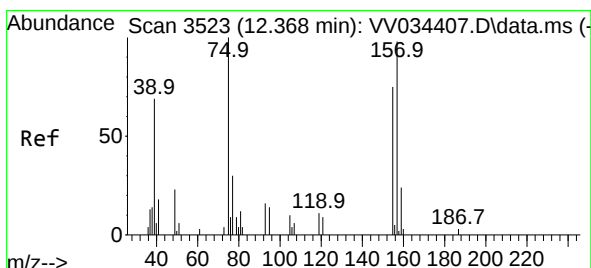
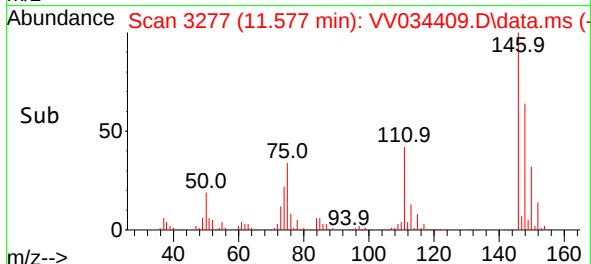
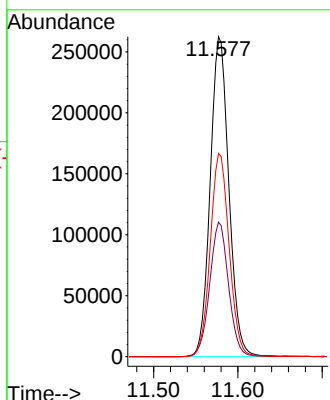
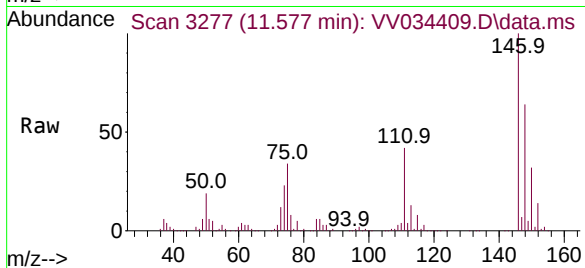
Tgt Ion:146 Resp: 402928

Ion Ratio Lower Upper

146 100

111 42.1 32.2 48.4

148 63.5 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 28.428 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

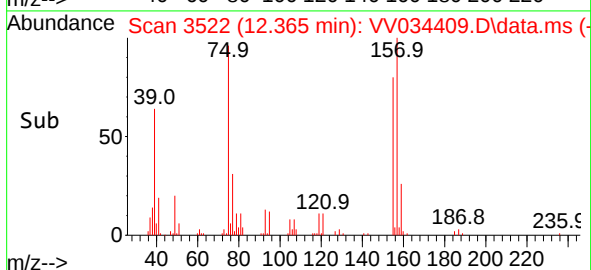
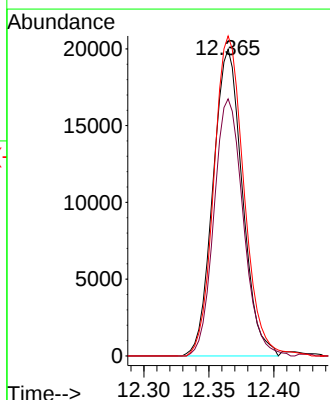
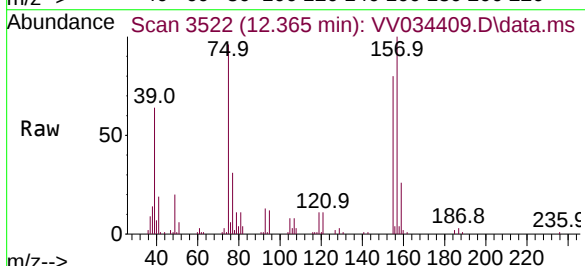
Tgt Ion: 75 Resp: 31400

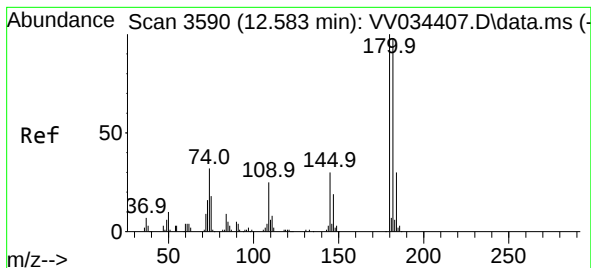
Ion Ratio Lower Upper

75 100

155 83.8 60.0 90.0

157 104.3 78.6 117.8





#69

1,3,5-Trichlorobenzene

Concen: 19.614 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 343093

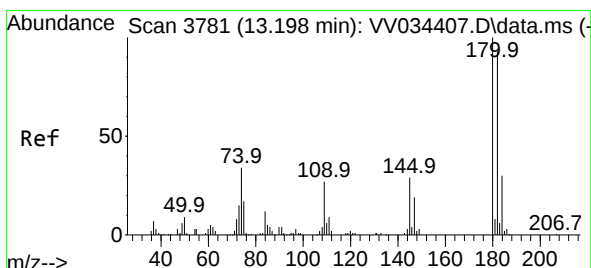
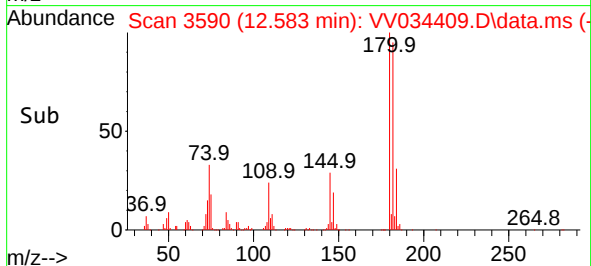
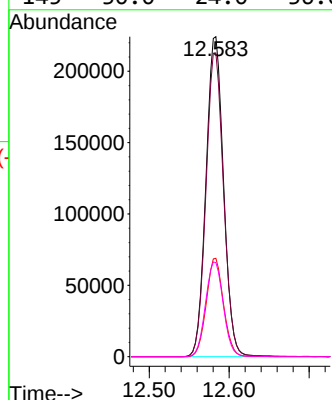
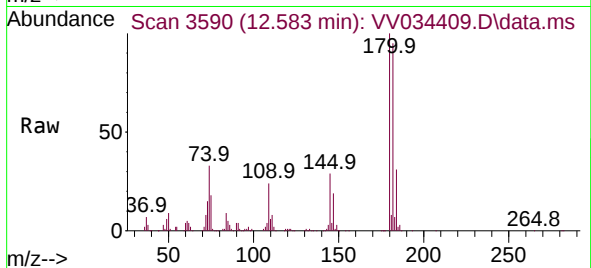
Ion Ratio Lower Upper

180 100

182 95.3 77.8 116.6

184 30.2 23.8 35.8

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 22.419 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

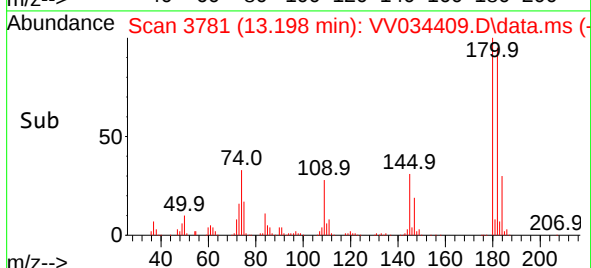
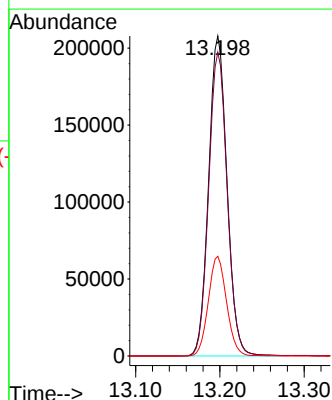
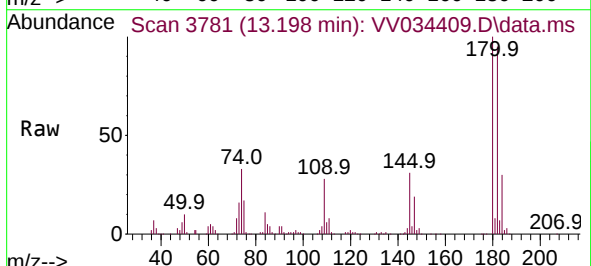
Tgt Ion:180 Resp: 315737

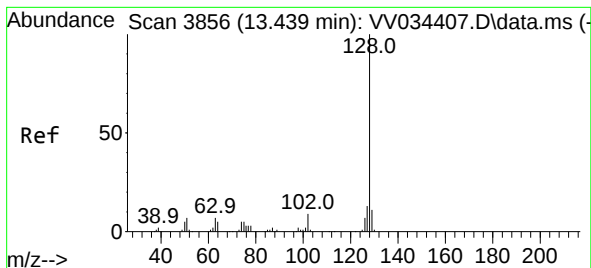
Ion Ratio Lower Upper

180 100

182 95.6 75.3 112.9

145 30.9 23.6 35.4





#71

Naphthalene

Concen: 28.151 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

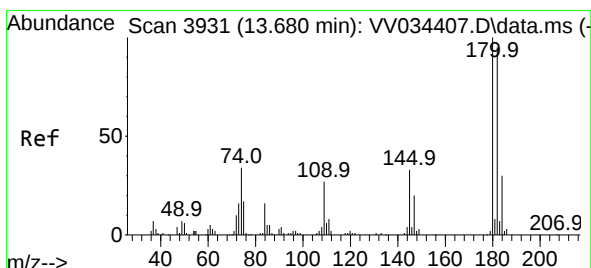
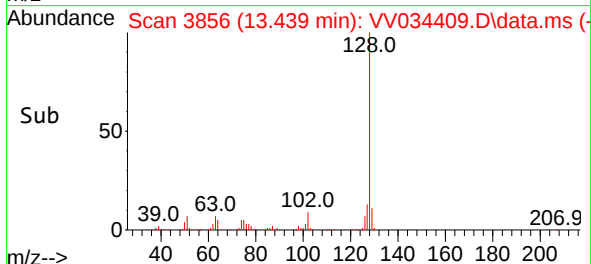
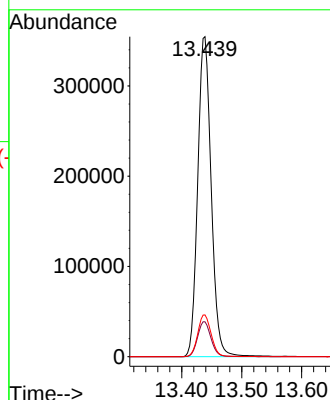
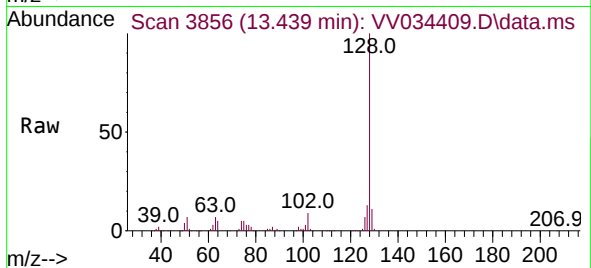
Tgt Ion:128 Resp: 555423

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 24.332 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034409.D

Acq: 26 Feb 2024 14:02

Tgt Ion:180 Resp: 277970

Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

145 32.3 25.8 38.6

