

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072224\
 Data File : VV036620.D
 Acq On : 22 Jul 2024 09:20
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 23 01:26:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:25:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	402490	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	399673	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	225528	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	24239	5.499	ug/L	0.00
7) Chloroethane-d5	1.529	69	21680	5.445	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	13178	5.654	ug/L	0.00
21) 2-Butanone-d5	3.838	46	43	0.045	ug/L	-0.02
24) Chloroform-d	4.252	84	57002	5.355	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	28198	5.369	ug/L	0.01
32) Benzene-d6	4.960	84	100704	5.316	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	27508	4.882	ug/L	0.00
41) Toluene-d8	7.243	98	93439	5.169	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	12334	5.141	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	5305	7.459	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	24137	5.131	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	42376	5.383	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	31596	4.629	ug/L	97
3) Chloromethane	1.214	50	23622	4.498	ug/L	97
5) Vinyl chloride	1.278	62	29580	4.555	ug/L	98
6) Bromomethane	1.484	94	24200	4.661	ug/L	99
8) Chloroethane	1.545	64	19145	4.549	ug/L	94
9) Trichlorofluoromethane	1.709	101	52655	4.670	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	33610	4.790	ug/L	99
12) 1,1-Dichloroethene	2.063	96	29718	4.786	ug/L	88
13) Acetone	2.153	43	4064	2.547	ug/L	73
14) Carbon disulfide	2.233	76	74354	4.314	ug/L	100
15) Methyl Acetate	2.394	43	9186	4.711	ug/L #	75
16) Methylene chloride	2.442	84	46379	6.193	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	29528	4.709	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	60803	4.623	ug/L	99
19) 1,1-Dichloroethane	3.108	63	47801	4.859	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	29990	4.579	ug/L	99
22) 2-Butanone	3.944	43	1585	1.237	ug/L	77
23) Bromochloromethane	4.150	128	16676	4.833	ug/L	96
25) Chloroform	4.275	83	57928	4.878	ug/L	99
27) 1,2-Dichloroethane	5.050	62	33476	4.698	ug/L	99
29) Cyclohexane	4.574	56	29514	4.142	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	49092	4.748	ug/L	100
31) Carbon tetrachloride	4.731	117	46272	4.790	ug/L	99
33) Benzene	5.008	78	106161	4.677	ug/L	100
34) Trichloroethene	5.834	95	34877	4.695	ug/L	96
35) Methylcyclohexane	6.043	83	39570	4.001	ug/L	97
37) 1,2-Dichloropropane	6.095	63	23413	4.482	ug/L #	94
38) Bromodichloromethane	6.436	83	41114	4.827	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	34308	3.887	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	18938	7.956	ug/L	96
42) Toluene	7.317	91	110284	4.387	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	32932	4.311	ug/L	97

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

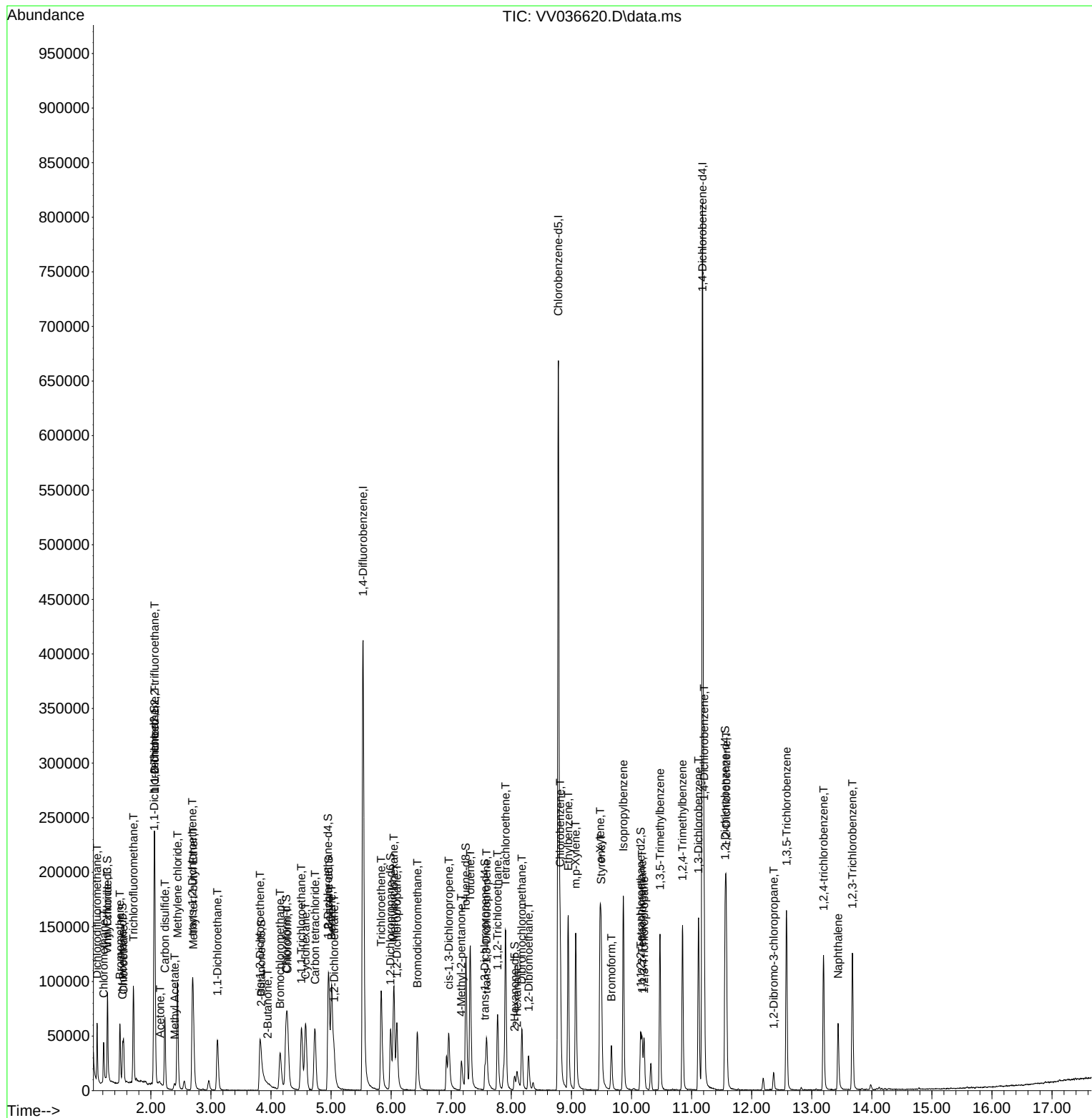
45) 1,1,2-Trichloroethane	7.770	97	24634	4.835	ug/L	96
46) Tetrachloroethene	7.905	164	36839	4.998	ug/L	99
48) 2-Hexanone	8.095	43	12963	6.988	ug/L #	79
49) Dibromochloromethane	8.175	129	30761	4.793	ug/L	96
50) 1,2-Dibromoethane	8.288	107	23428	4.577	ug/L	97
51) Chlorobenzene	8.812	112	86723	4.764	ug/L	100
52) Ethylbenzene	8.947	91	117569	4.252	ug/L	98
53) m,p-Xylene	9.072	106	44108	4.085	ug/L	98
54) o-Xylene	9.477	106	43923	4.234	ug/L	99
55) Styrene	9.497	104	70356	4.000	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	22780	4.935	ug/L	99
59) Bromoform	9.667	173	19876	4.680	ug/L	98
60) Isopropylbenzene	9.863	105	117344	4.252	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	19256	4.843	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	78853	3.663	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	84053	3.857	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	71511	4.635	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	76899	4.840	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	69193	4.823	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	4536	4.845	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	56000	4.601	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	43462	4.396	ug/L	99
71) Naphthalene	13.439	128	54871	3.790	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	39125	4.386	ug/L	98

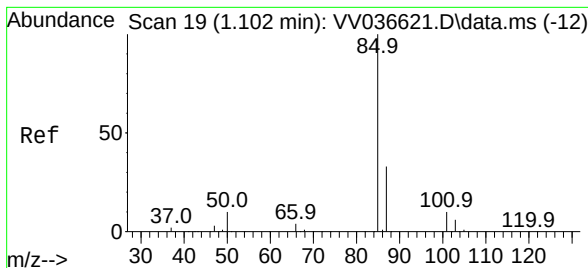
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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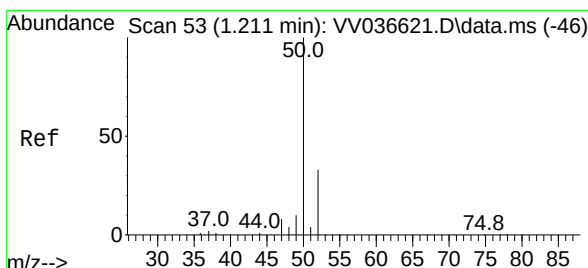
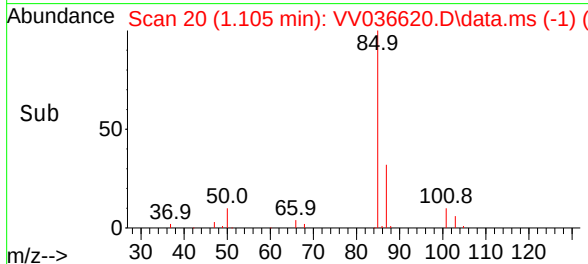
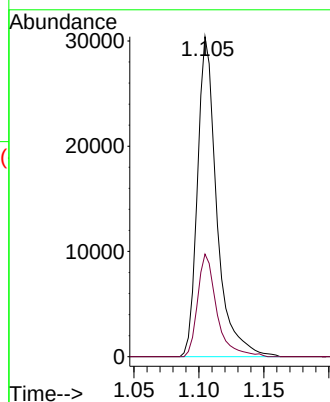
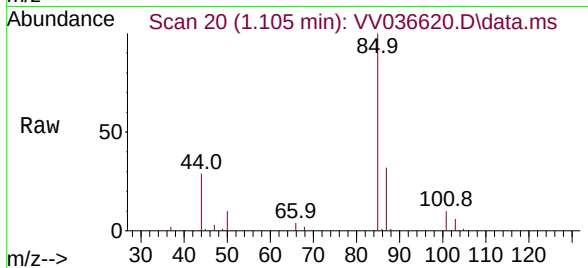




#2
 Dichlorodifluoromethane
 Concen: 4.629 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036620.D
 Acq: 22 Jul 2024 09:20

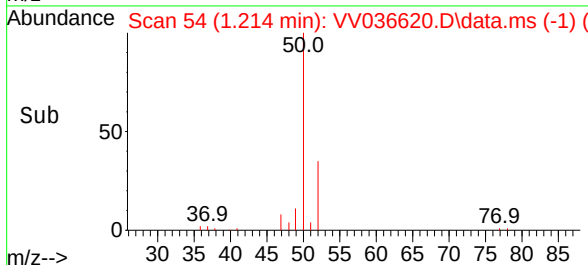
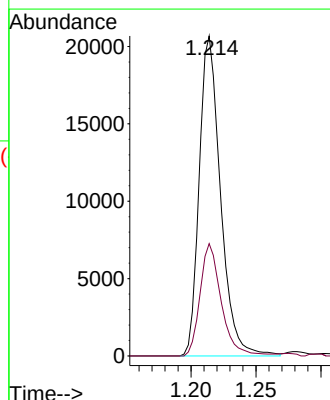
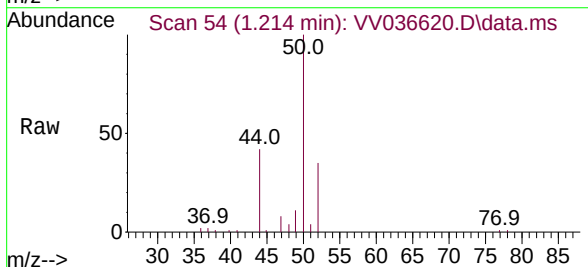
Instrument :
 MSVOA_V
 ClientSampleId :

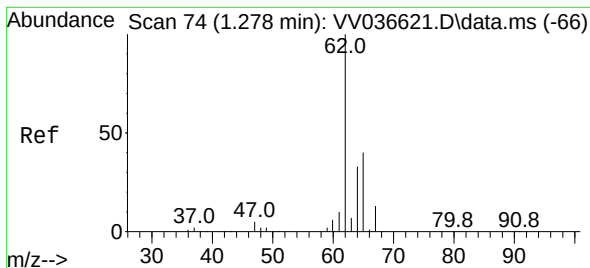
Tgt Ion: 85 Resp: 31596
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.5 39.7



#3
 Chloromethane
 Concen: 4.498 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV036620.D
 Acq: 22 Jul 2024 09:20

Tgt Ion: 50 Resp: 23622
 Ion Ratio Lower Upper
 50 100
 52 35.1 23.3 43.3





#5

Vinyl chloride

Concen: 4.555 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.000 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

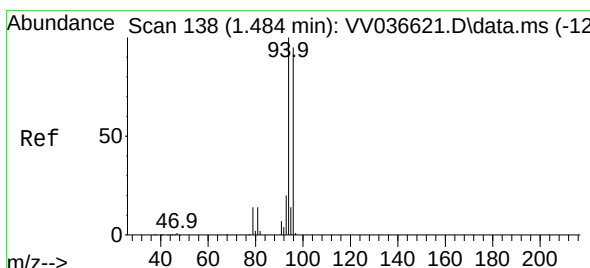
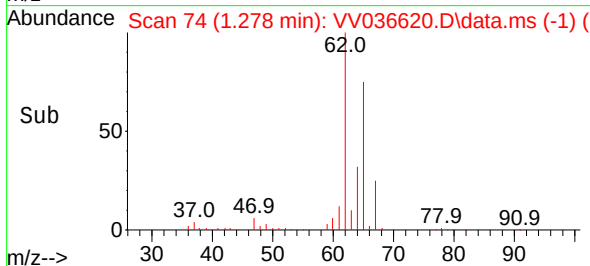
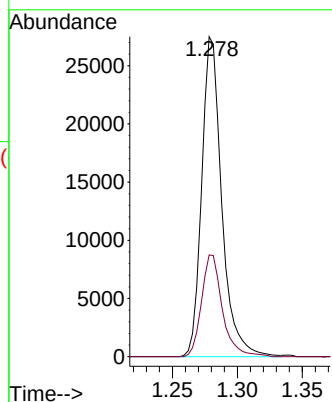
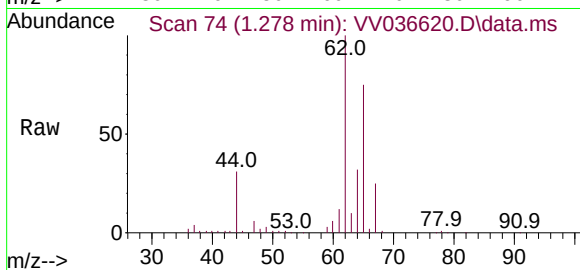
ClientSampleId :

Tgt Ion: 62 Resp: 29580

Ion Ratio Lower Upper

62 100

64 31.8 23.1 42.9



#6

Bromomethane

Concen: 4.661 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV036620.D

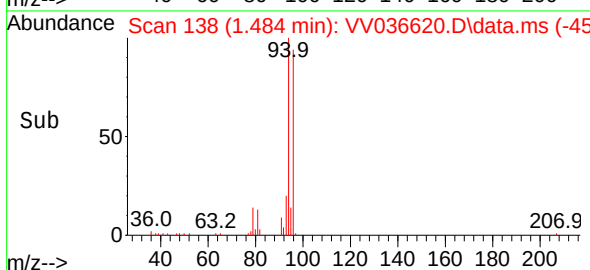
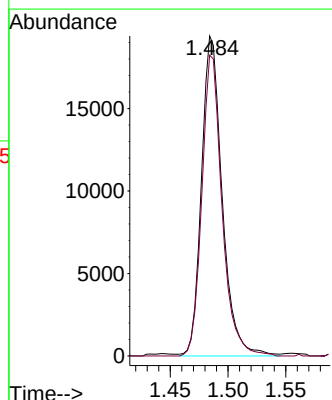
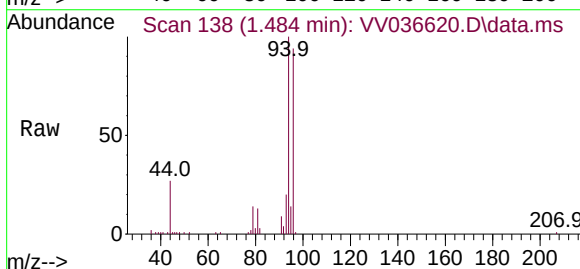
Acq: 22 Jul 2024 09:20

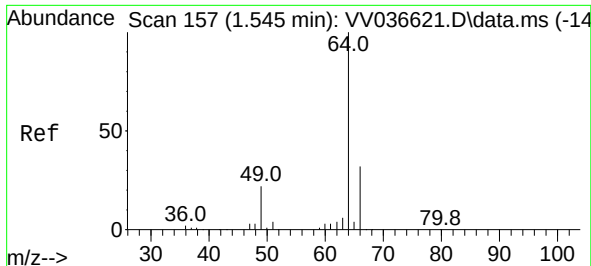
Tgt Ion: 94 Resp: 24200

Ion Ratio Lower Upper

94 100

96 94.0 66.6 123.6

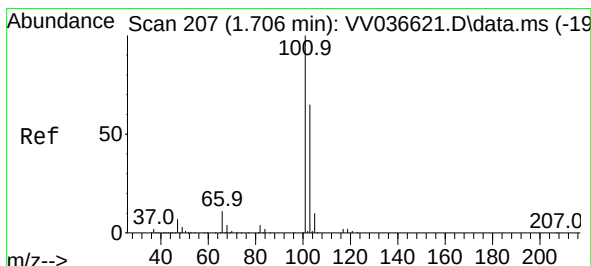
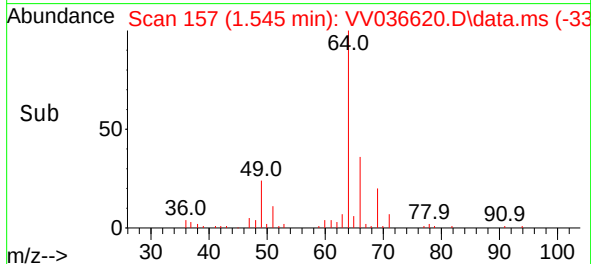
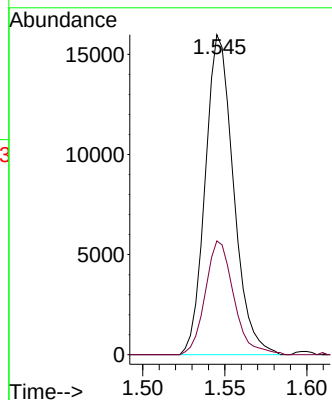
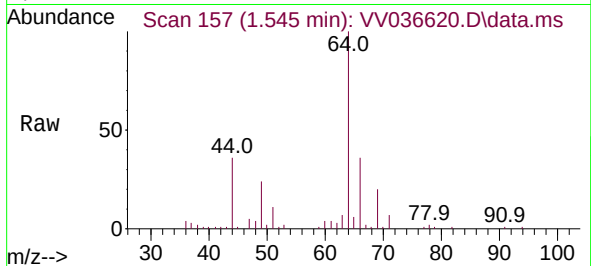




#8
Chloroethane
Concen: 4.549 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

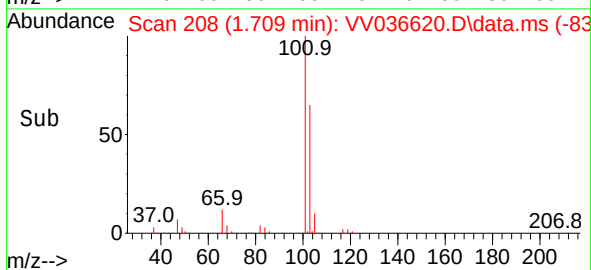
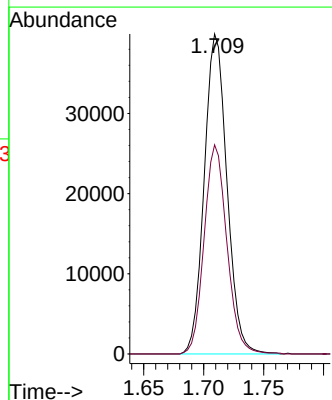
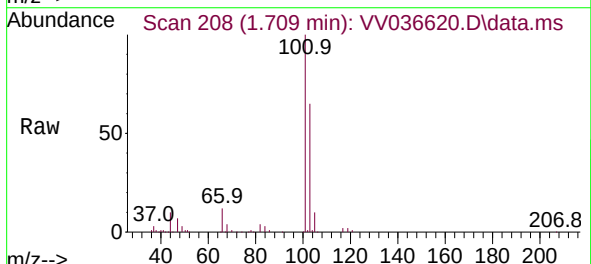
Instrument :
MSVOA_V
ClientSampleId :

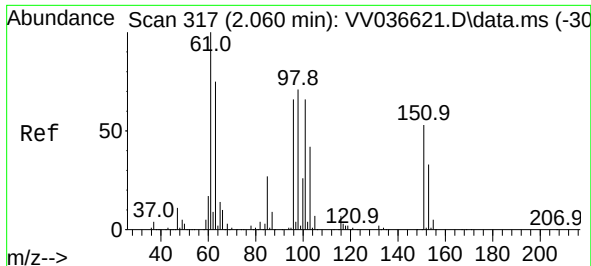
Tgt Ion: 64 Resp: 19145
Ion Ratio Lower Upper
64 100
66 35.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.670 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion:101 Resp: 52655
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 4.790 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :

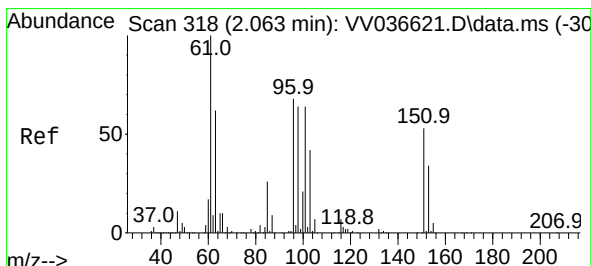
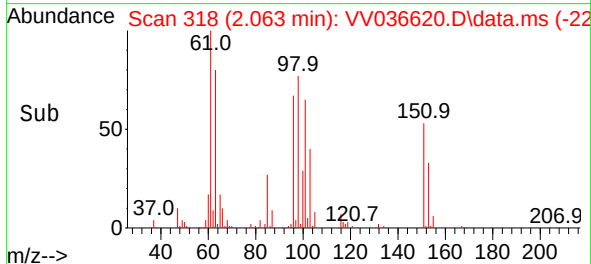
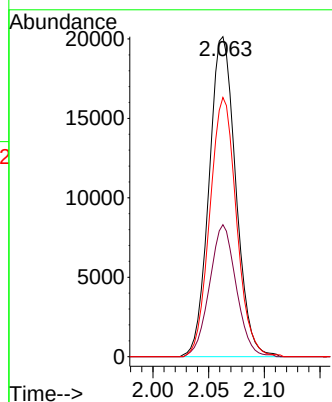
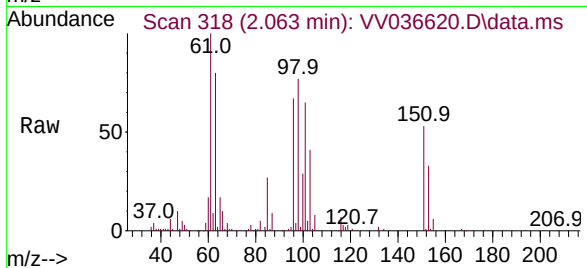
Tgt Ion:101 Resp: 33610

Ion Ratio Lower Upper

101 100

85 41.1 32.4 48.6

151 80.9 64.9 97.3



#12

1,1-Dichloroethene

Concen: 4.786 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

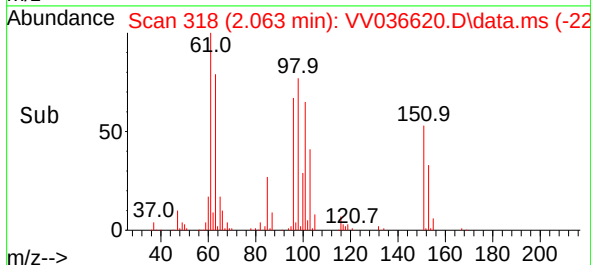
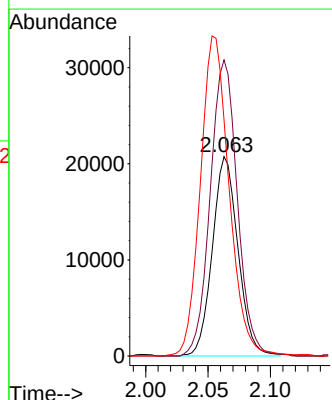
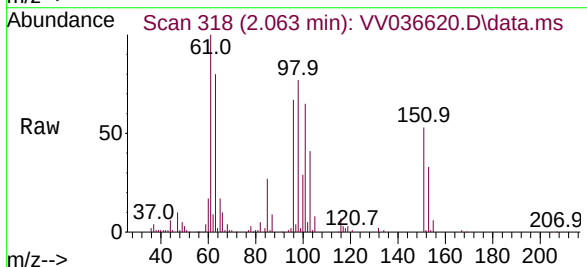
Tgt Ion: 96 Resp: 29718

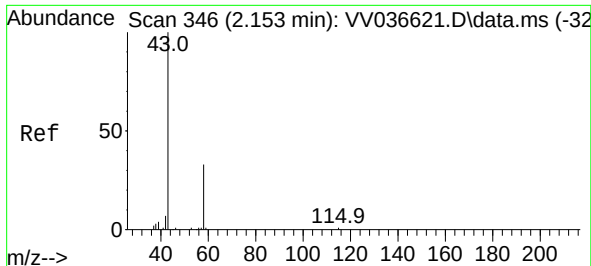
Ion Ratio Lower Upper

96 100

61 148.4 102.3 189.9

63 118.4 64.1 119.1





#13

Acetone

Concen: 2.547 ug/L

RT: 2.153 min Scan# 346

Delta R.T. -0.000 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

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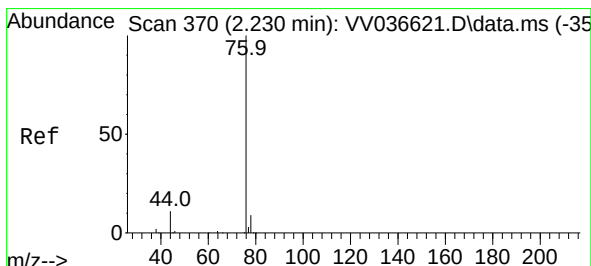
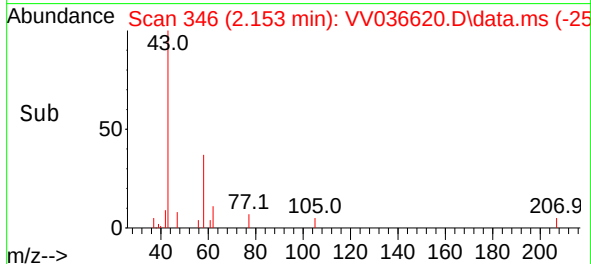
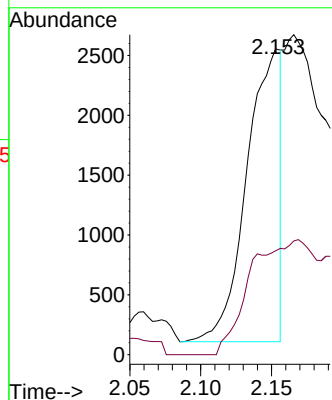
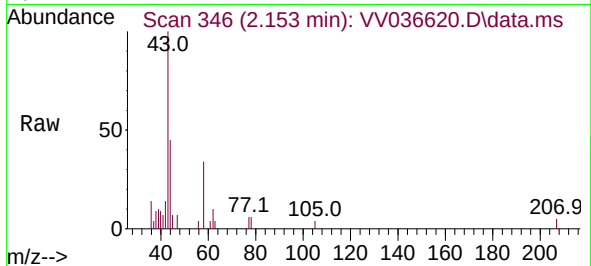
ClientSampleId :

Tgt Ion: 43 Resp: 4064

Ion Ratio Lower Upper

43 100

58 21.9 0.0 23.0



#14

Carbon disulfide

Concen: 4.314 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036620.D

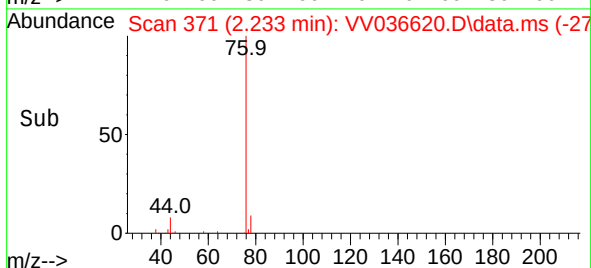
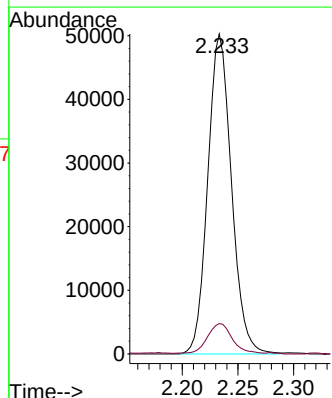
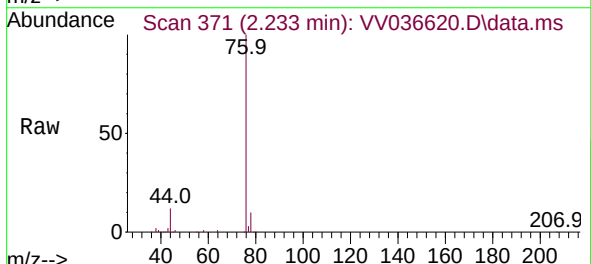
Acq: 22 Jul 2024 09:20

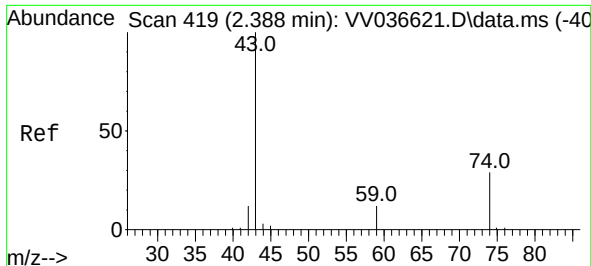
Tgt Ion: 76 Resp: 74354

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 4.711 ug/L

RT: 2.394 min Scan# 41

Delta R.T. 0.006 min

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MSVOA_V

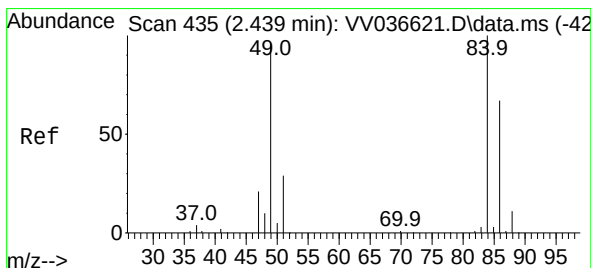
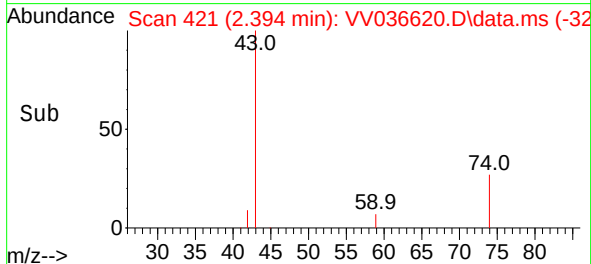
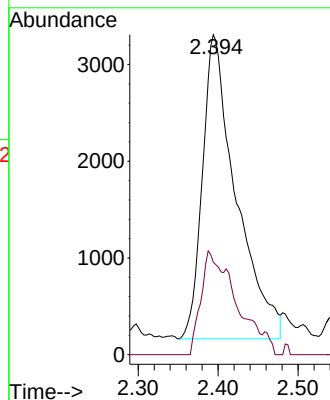
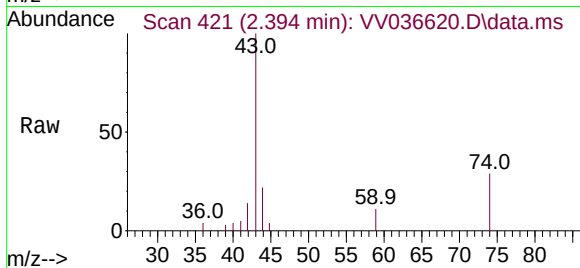
ClientSampleId :

Tgt Ion: 43 Resp: 9186

Ion Ratio Lower Upper

43 100

74 20.4 27.8 41.8#



#16

Methylene chloride

Concen: 6.193 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

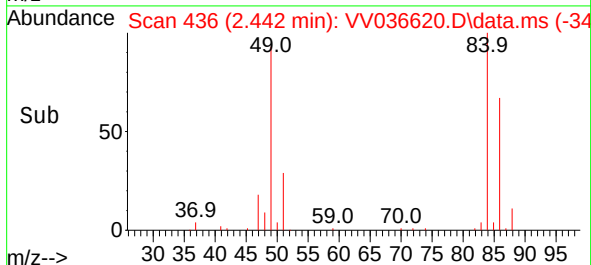
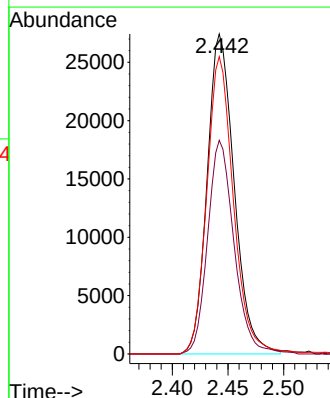
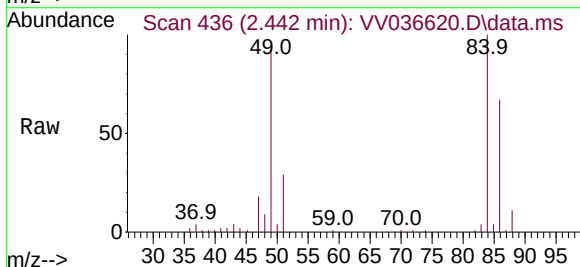
Tgt Ion: 84 Resp: 46379

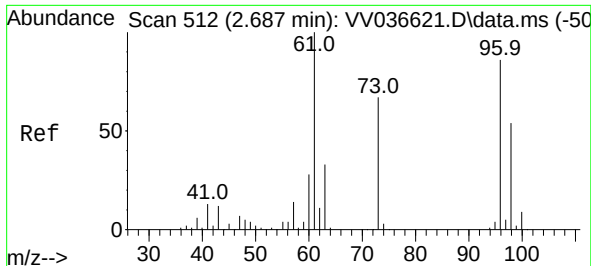
Ion Ratio Lower Upper

84 100

86 66.8 47.2 87.6

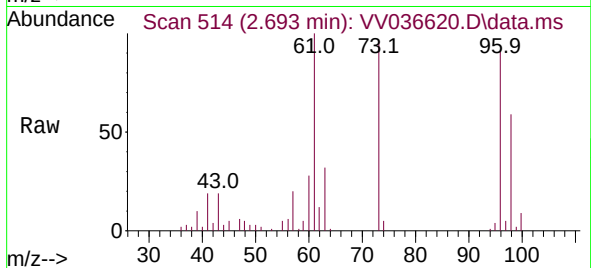
49 92.9 67.3 125.1





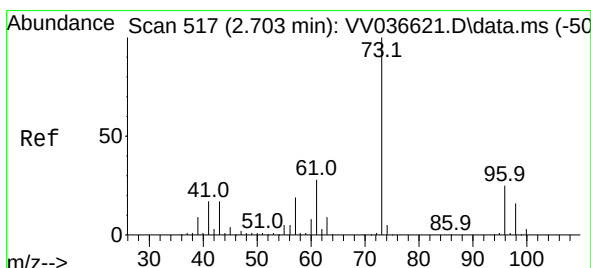
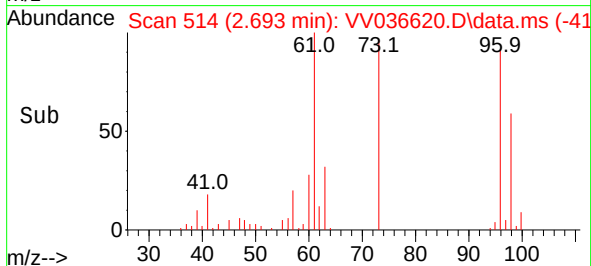
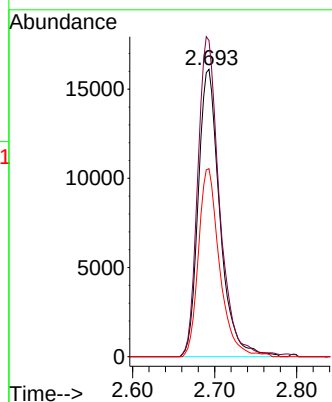
#17
trans-1,2-Dichloroethene
Concen: 4.709 ug/L
RT: 2.693 min Scan# 512
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 29528

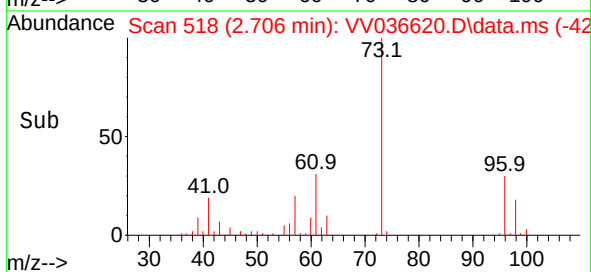
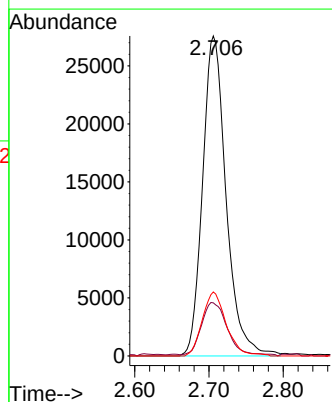
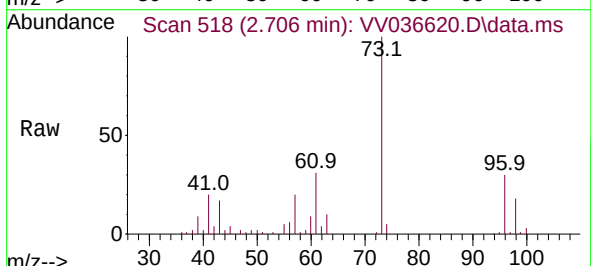
Ion	Ratio	Lower	Upper
96	100		
61	110.0	81.5	151.5
98	65.5	44.3	82.3

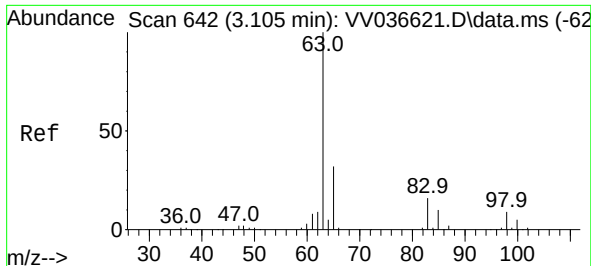


#18
Methyl tert-butyl Ether
Concen: 4.623 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 73 Resp: 60803

Ion	Ratio	Lower	Upper
73	100		
43	17.5	13.8	20.6
57	20.3	15.4	23.2

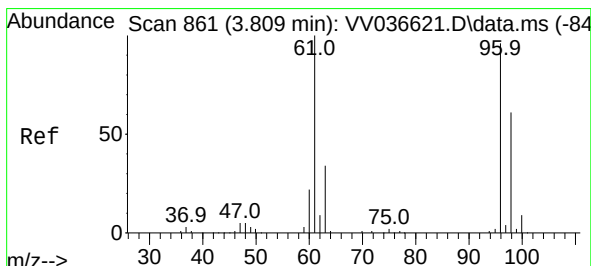
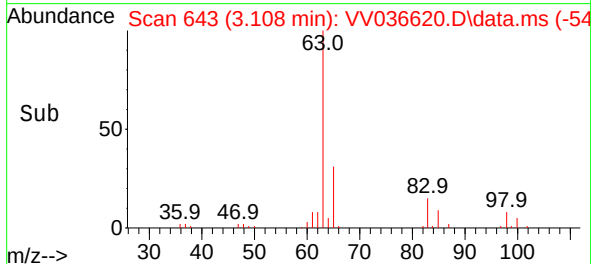
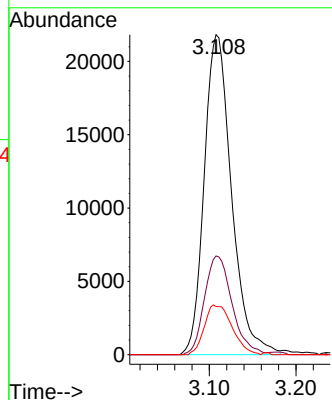
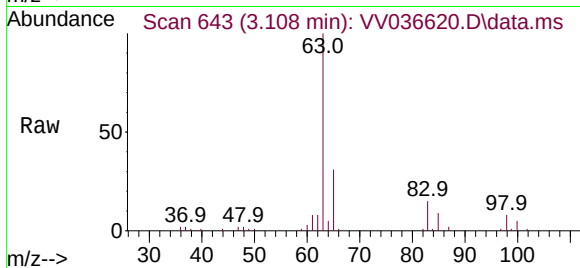




#19
1,1-Dichloroethane
Concen: 4.859 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

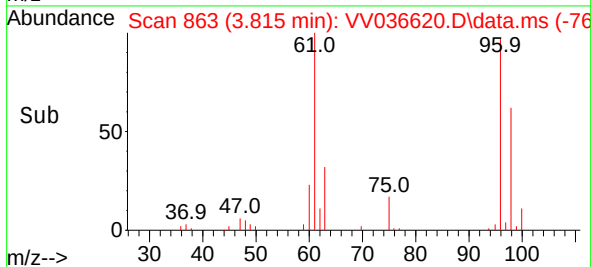
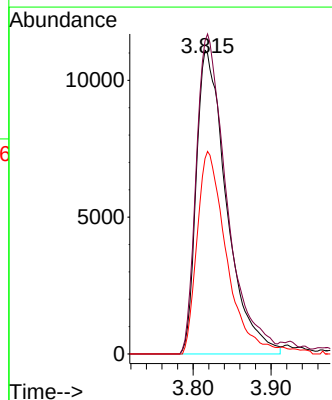
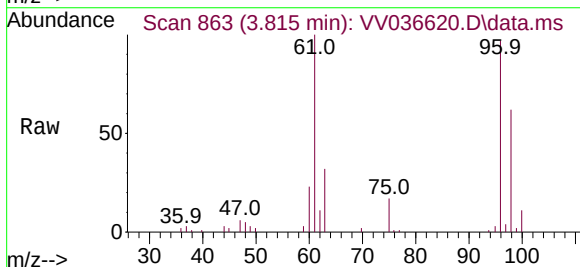
Instrument :
MSVOA_V
ClientSampleId :

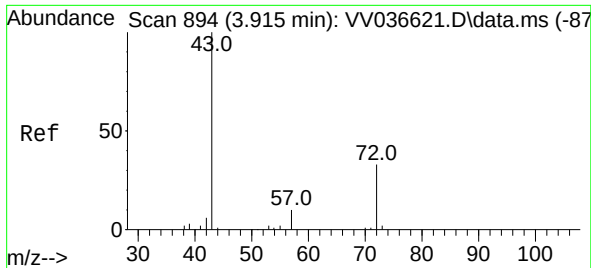
Tgt Ion: 63 Resp: 47801
Ion Ratio Lower Upper
63 100
65 30.8 22.7 42.1
83 15.0 11.1 20.7



#20
cis-1,2-Dichloroethene
Concen: 4.579 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 96 Resp: 29990
Ion Ratio Lower Upper
96 100
61 103.0 73.0 135.6
98 64.3 44.8 83.2

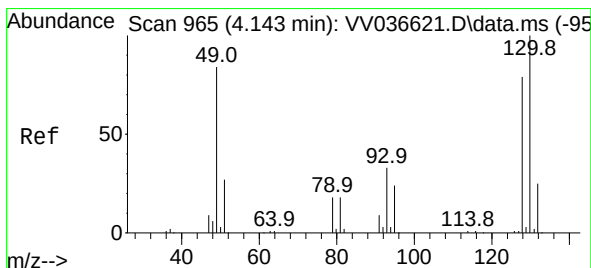
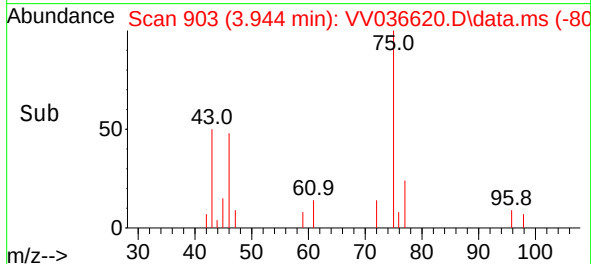
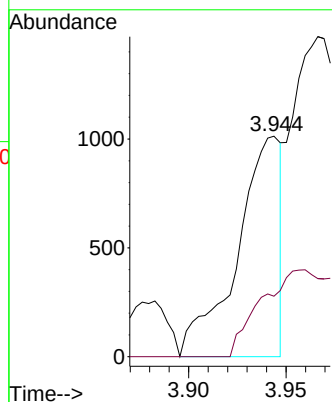
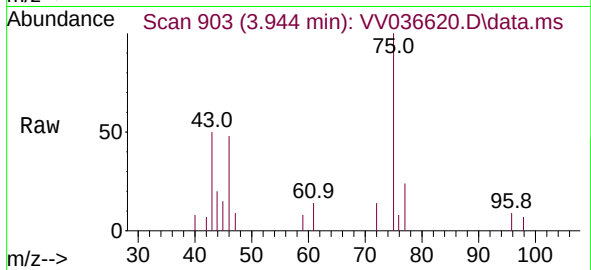




#22
2-Butanone
Concen: 1.237 ug/L
RT: 3.944 min Scan# 903
Delta R.T. 0.029 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

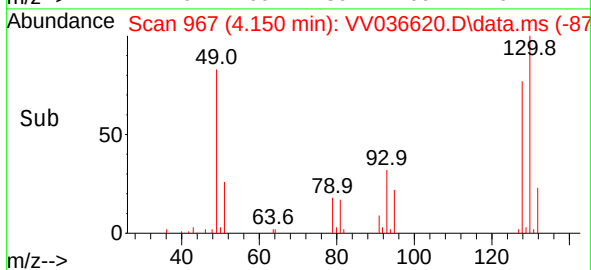
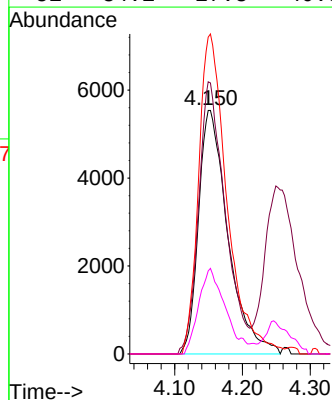
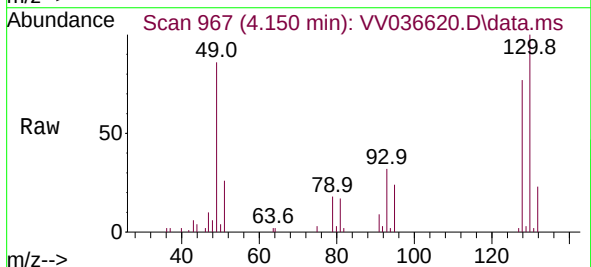
Instrument :
MSVOA_V
ClientSampleId :

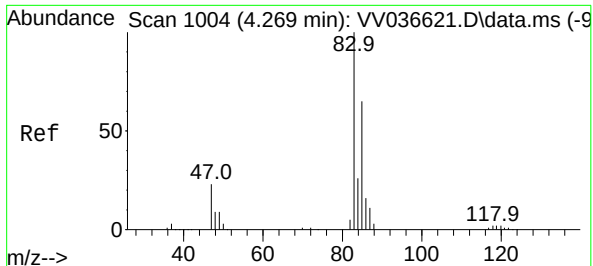
Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
72 18.0 15.2 45.5



#23
Bromochloromethane
Concen: 4.833 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 128 Resp: 16676
Ion Ratio Lower Upper
128 100
49 111.7 74.4 138.2
130 130.0 88.6 164.6
51 34.1 27.3 40.9





#25

Chloroform

Concen: 4.878 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

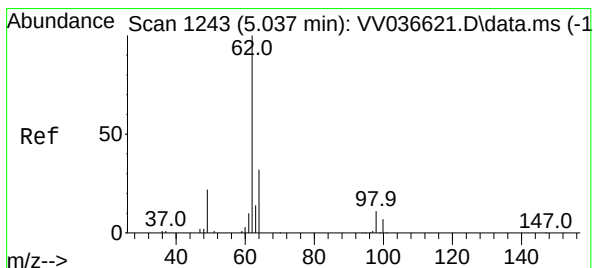
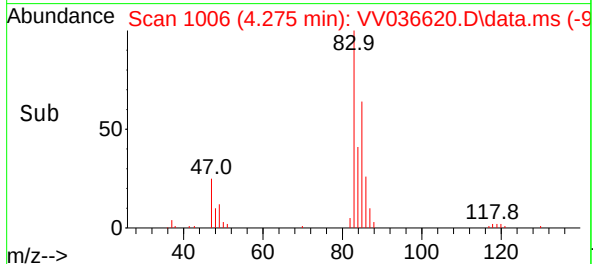
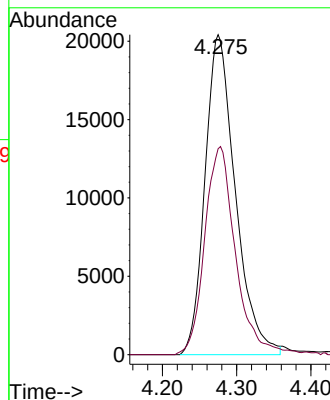
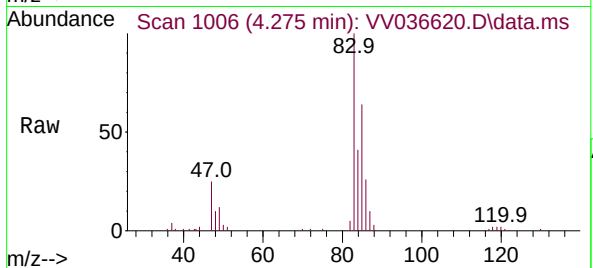
ClientSampleId :

Tgt Ion: 83 Resp: 57928

Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.698 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VV036620.D

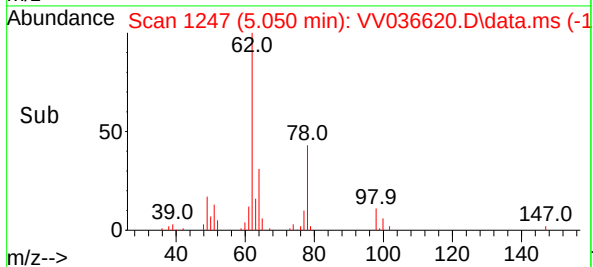
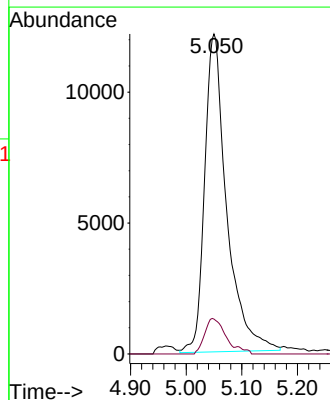
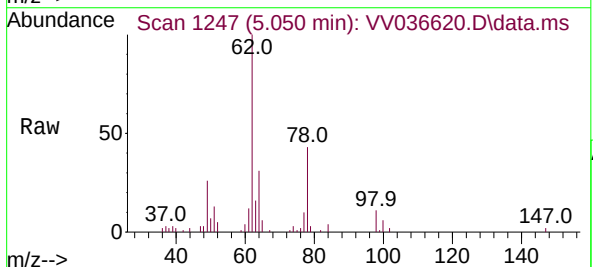
Acq: 22 Jul 2024 09:20

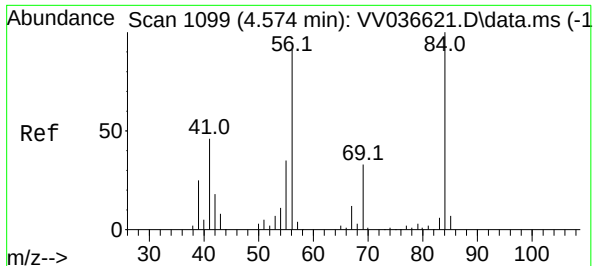
Tgt Ion: 62 Resp: 33476

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.6





#29

Cyclohexane

Concen: 4.142 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

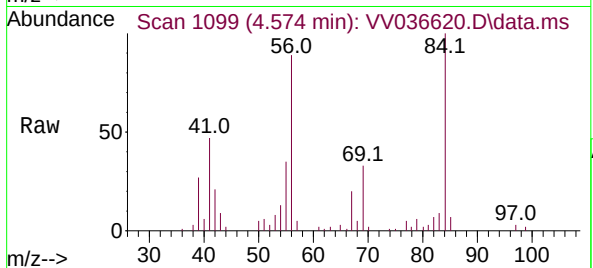
Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :



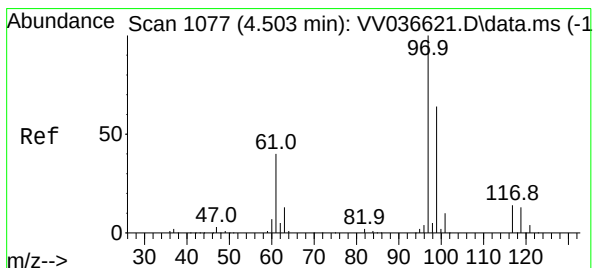
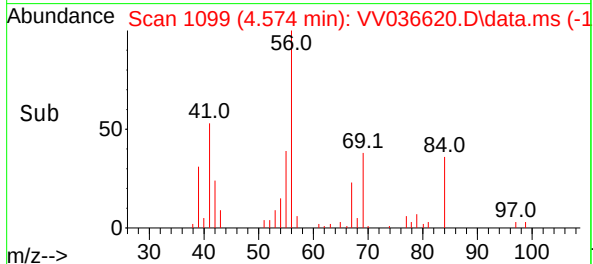
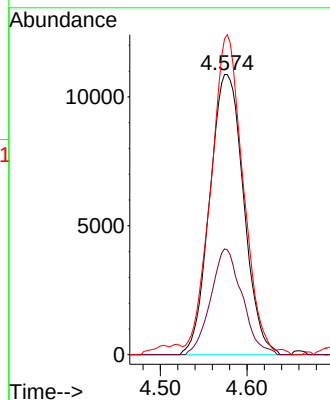
Tgt Ion: 56 Resp: 29514

Ion Ratio Lower Upper

56 100

69 35.0 28.5 42.7

84 108.4 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 4.748 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

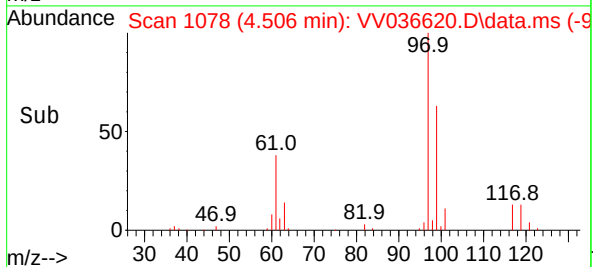
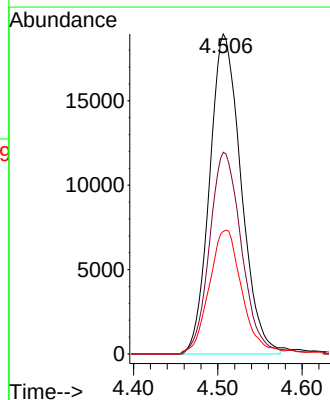
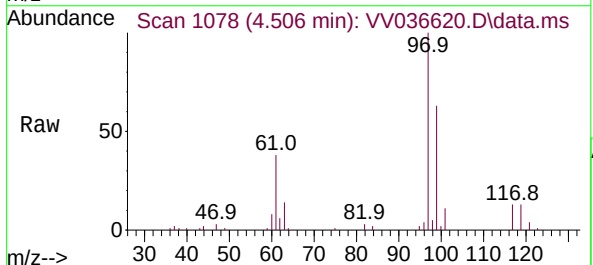
Tgt Ion: 97 Resp: 49092

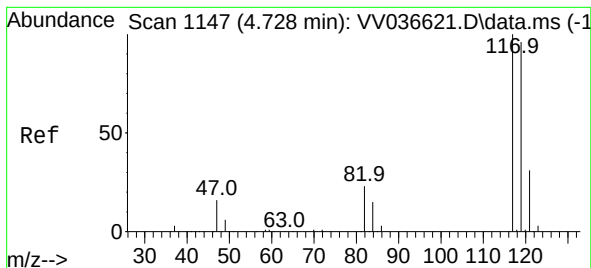
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 40.2 31.9 47.9





#31

Carbon tetrachloride

Concen: 4.790 ug/L

RT: 4.731 min Scan# 1147

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

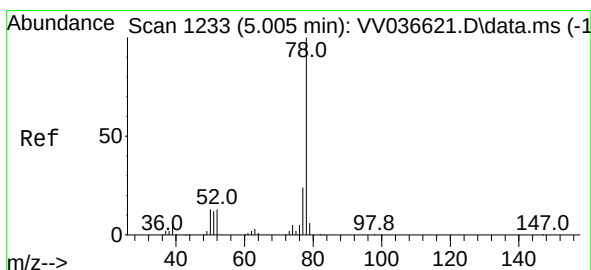
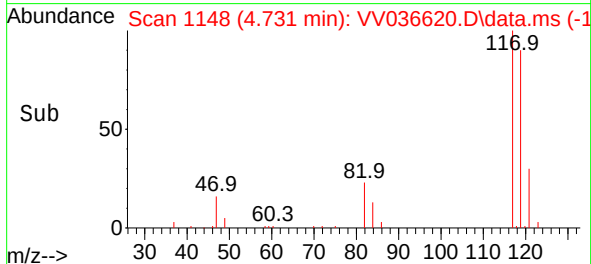
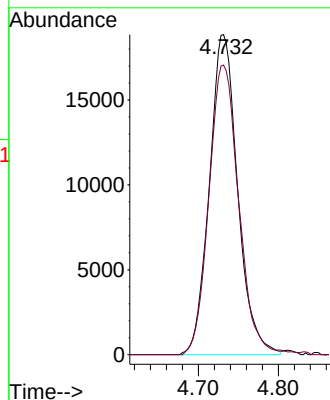
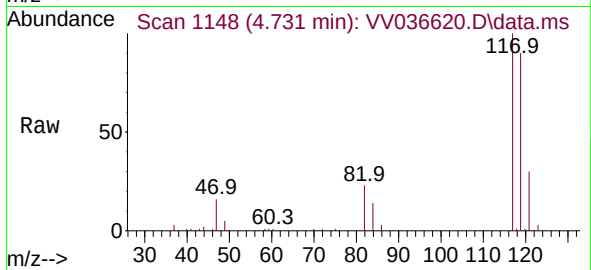
ClientSampleId :

Tgt Ion:117 Resp: 46272

Ion Ratio Lower Upper

117 100

119 94.6 76.6 115.0



#33

Benzene

Concen: 4.677 ug/L

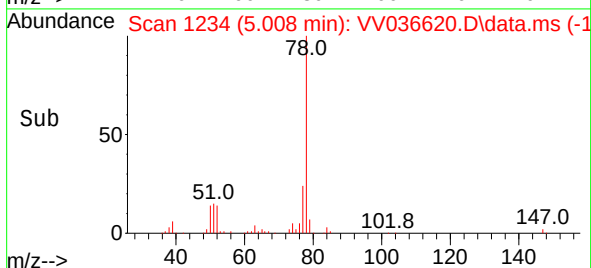
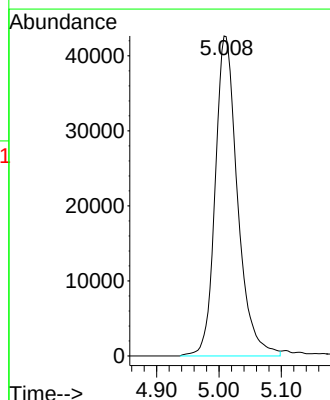
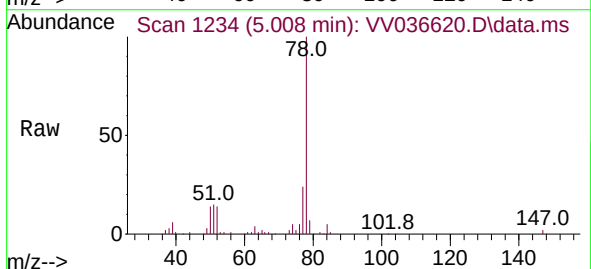
RT: 5.008 min Scan# 1234

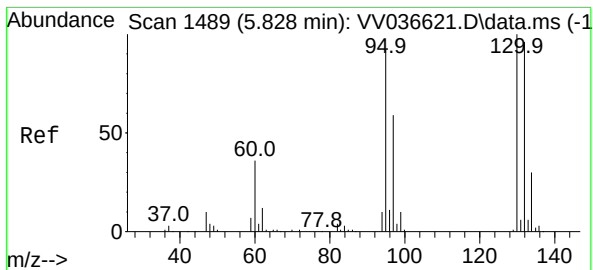
Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Tgt Ion: 78 Resp: 106161





#34

Trichloroethene

Concen: 4.695 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 34877

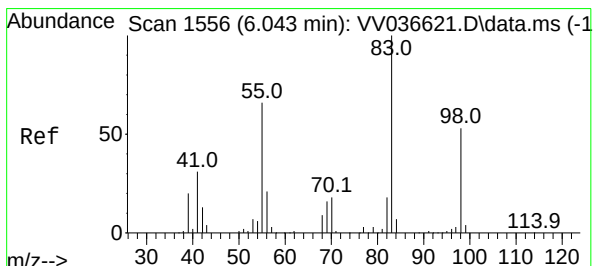
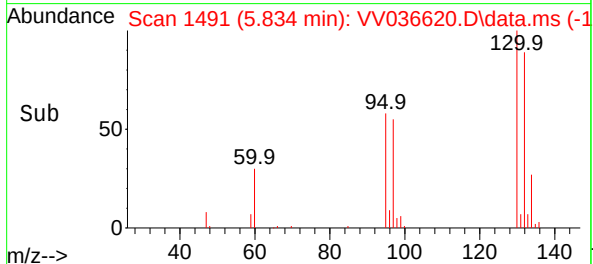
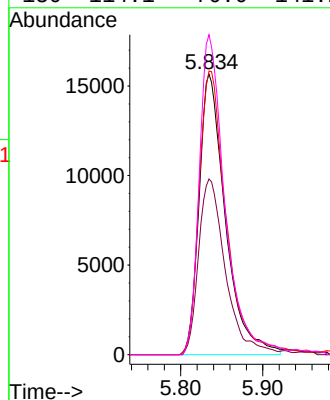
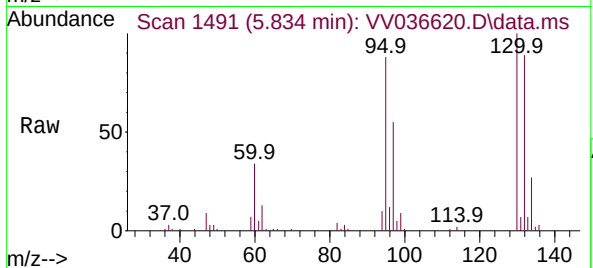
Ion Ratio Lower Upper

95 100

97 62.6 45.1 83.7

132 101.1 72.7 134.9

130 114.1 76.0 141.2



#35

Methylcyclohexane

Concen: 4.001 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

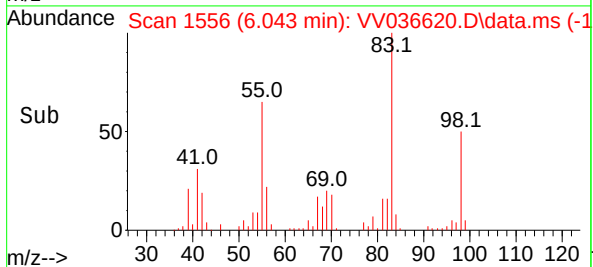
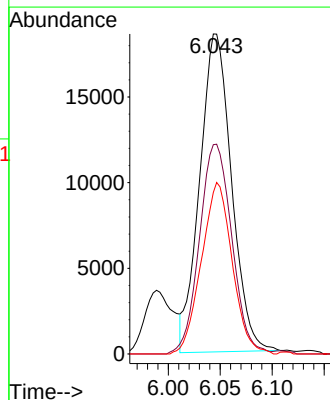
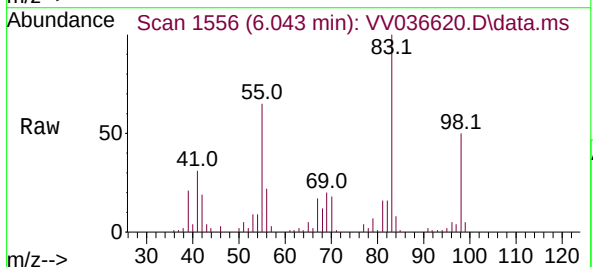
Tgt Ion: 83 Resp: 39570

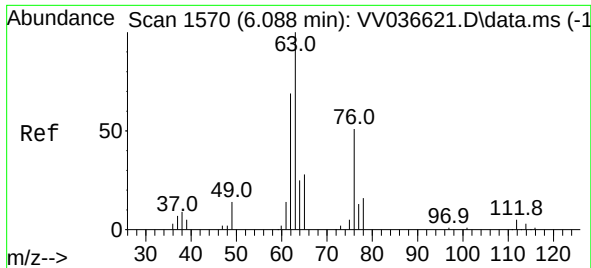
Ion Ratio Lower Upper

83 100

55 67.0 50.8 76.2

98 52.2 41.3 61.9

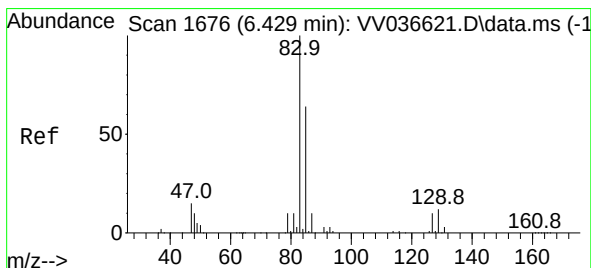
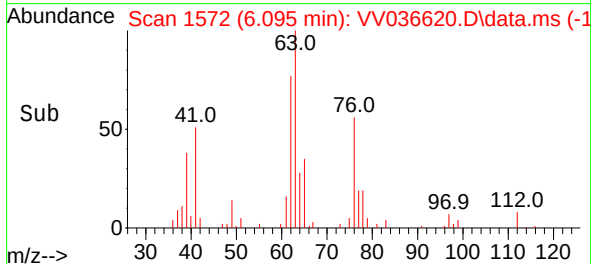
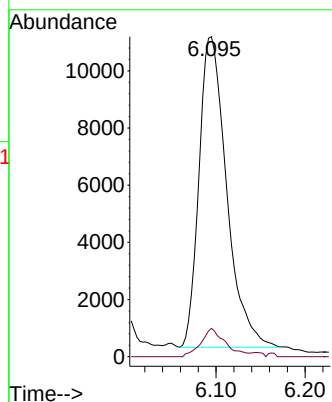
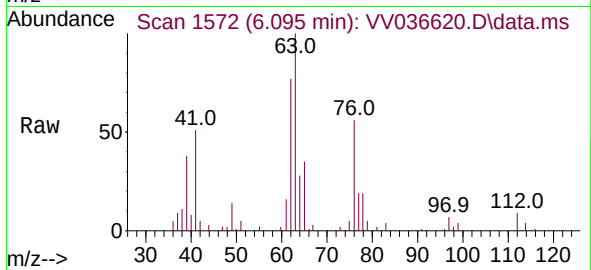




#37
1,2-Dichloropropane
Concen: 4.482 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

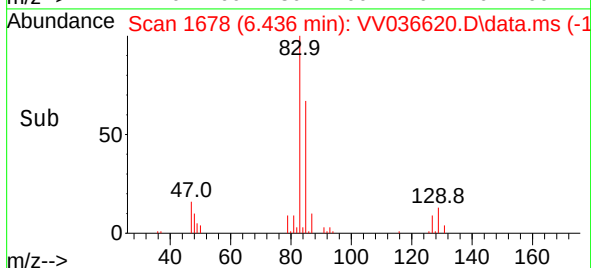
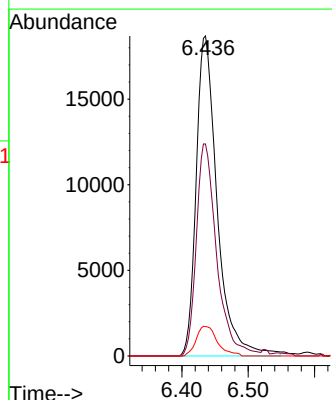
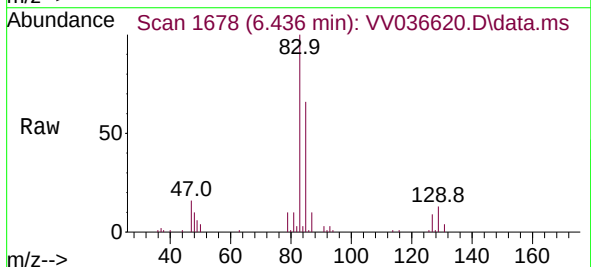
Instrument :
MSVOA_V
ClientSampleId :

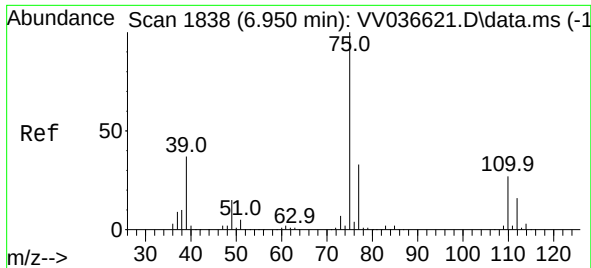
Tgt Ion: 63 Resp: 23413
Ion Ratio Lower Upper
63 100
112 8.0 4.8 7.2#



#38
Bromodichloromethane
Concen: 4.827 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 83 Resp: 41114
Ion Ratio Lower Upper
83 100
85 66.2 44.6 82.8
127 9.2 7.8 11.6

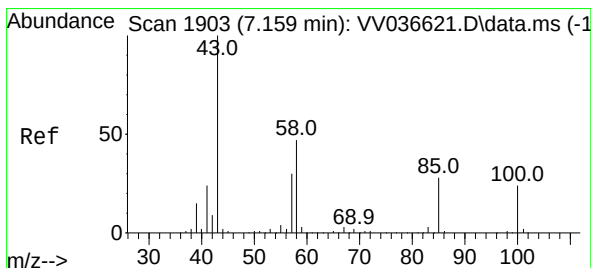
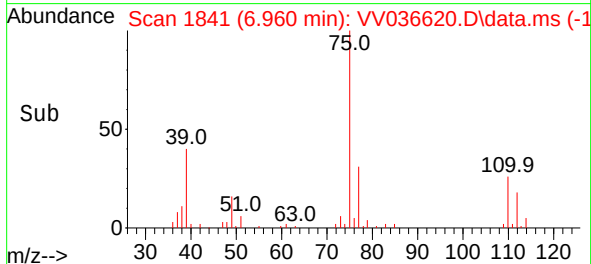
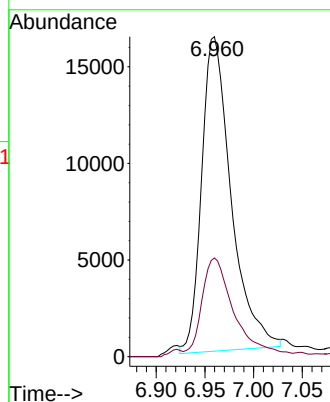
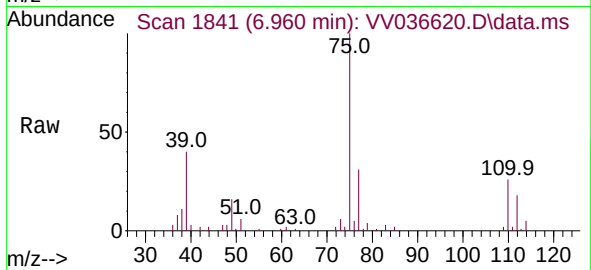




#39
 cis-1,3-Dichloropropene
 Concen: 3.887 ug/L
 RT: 6.960 min Scan# 1838
 Delta R.T. 0.010 min
 Lab File: VV036620.D
 Acq: 22 Jul 2024 09:20

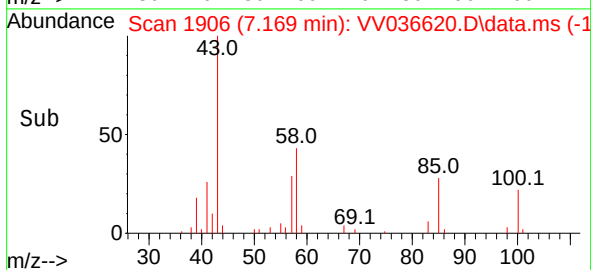
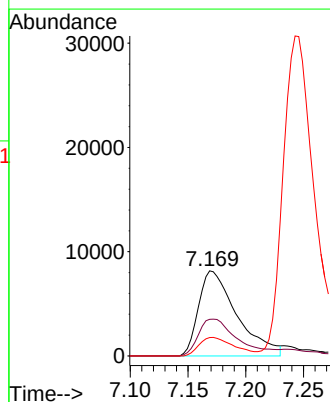
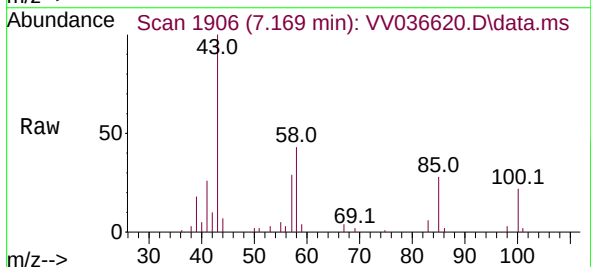
Instrument :
 MSVOA_V
 ClientSampleId :

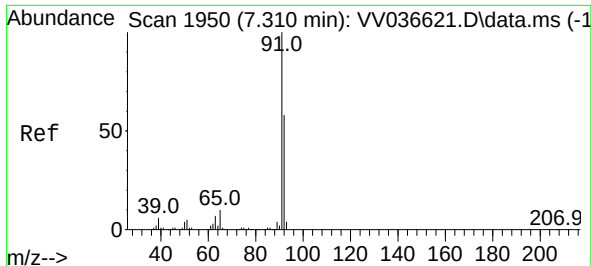
Tgt Ion: 75 Resp: 34308
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 7.956 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. 0.010 min
 Lab File: VV036620.D
 Acq: 22 Jul 2024 09:20

Tgt Ion: 43 Resp: 18938
 Ion Ratio Lower Upper
 43 100
 58 44.2 36.6 54.8
 100 19.7 18.2 27.4





#42

Toluene

Concen: 4.387 ug/L

RT: 7.317 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

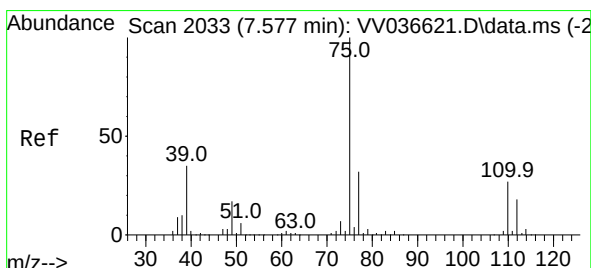
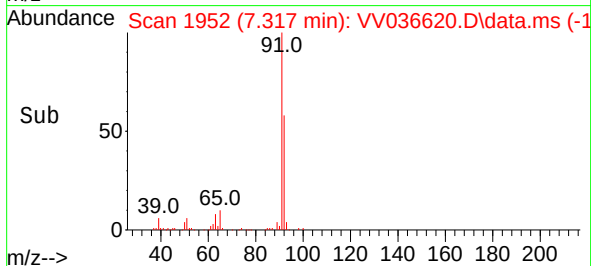
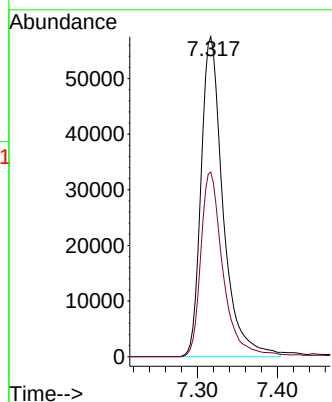
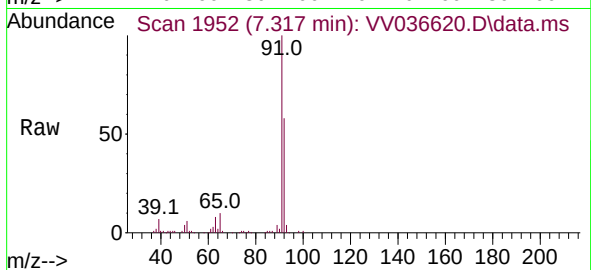
ClientSampleId :

Tgt Ion: 91 Resp: 110284

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.311 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV036620.D

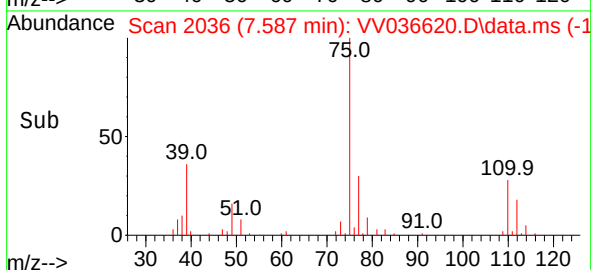
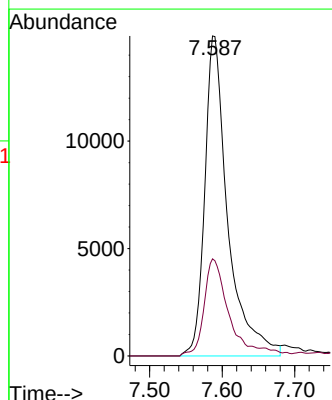
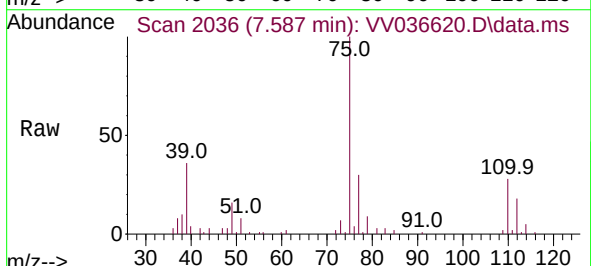
Acq: 22 Jul 2024 09:20

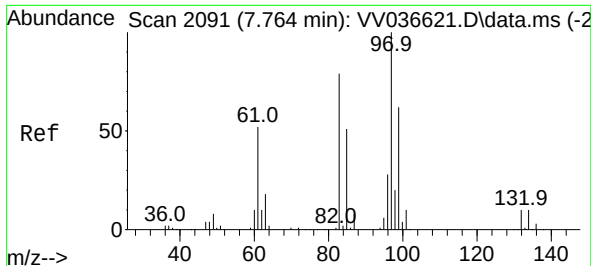
Tgt Ion: 75 Resp: 32932

Ion Ratio Lower Upper

75 100

77 30.3 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.835 ug/L

RT: 7.770 min Scan# 2091

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 24634

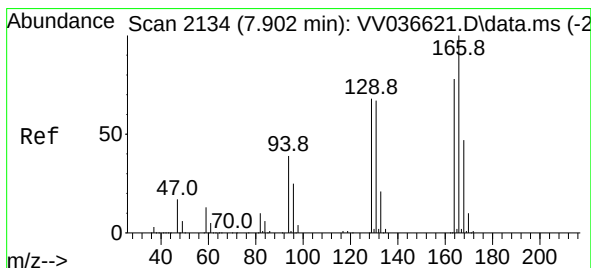
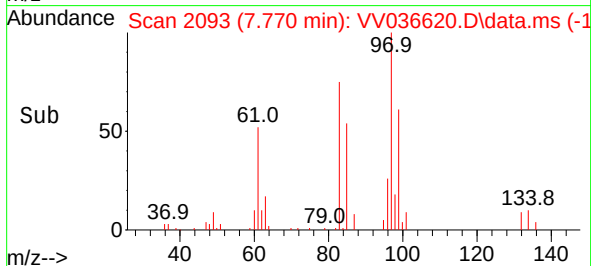
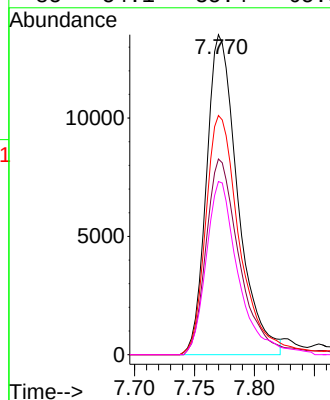
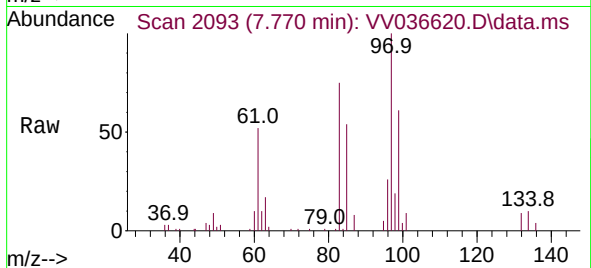
Ion Ratio Lower Upper

97 100

99 61.2 43.5 80.7

83 74.7 55.4 103.0

85 54.1 35.4 65.8



#46

Tetrachloroethene

Concen: 4.998 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Tgt Ion:164 Resp: 36839

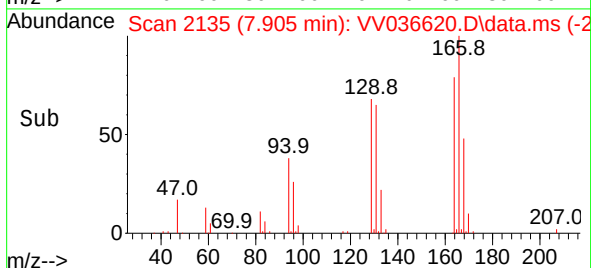
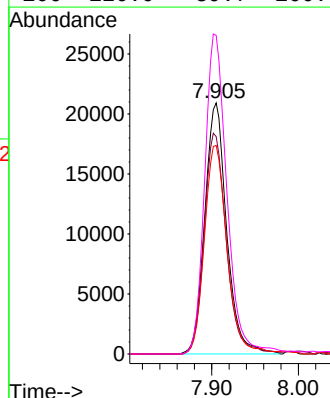
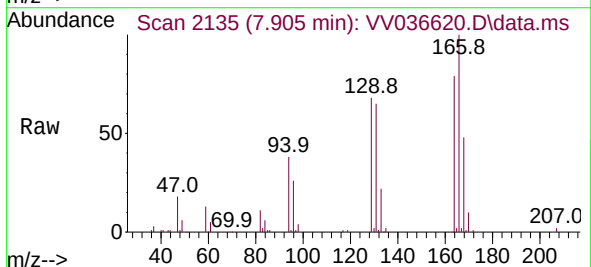
Ion Ratio Lower Upper

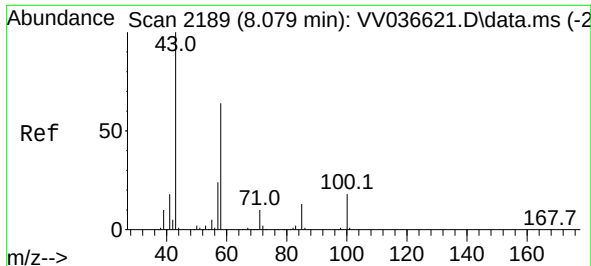
164 100

129 86.6 61.0 113.2

131 83.1 60.1 111.5

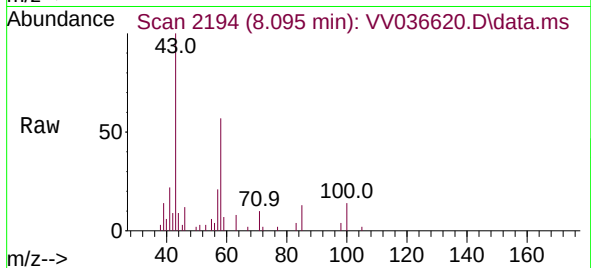
166 126.9 89.7 166.7



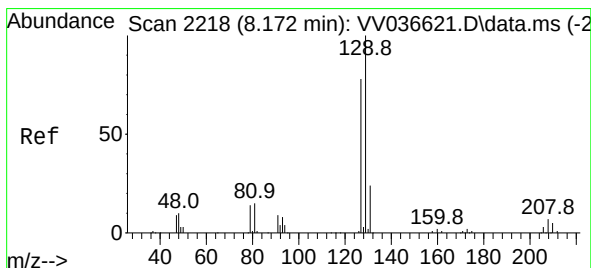
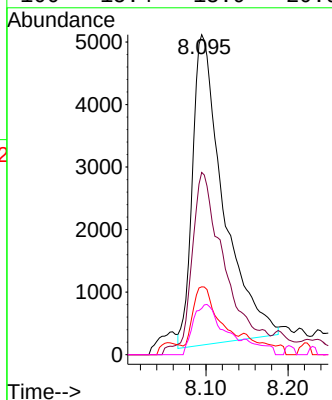
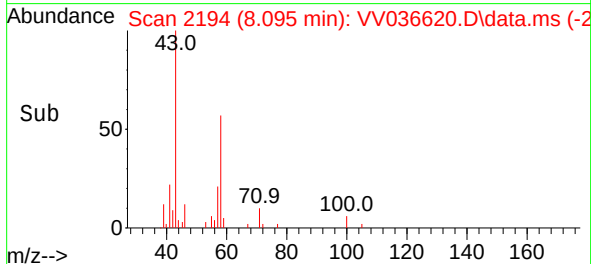


#48
2-Hexanone
Concen: 6.988 ug/L
RT: 8.095 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Instrument :
MSVOA_V
ClientSampleId :

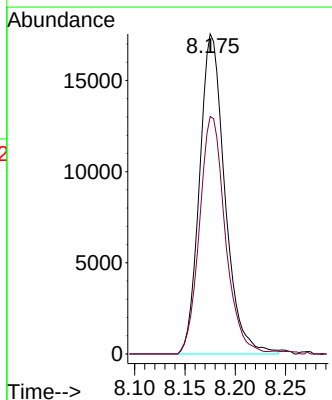
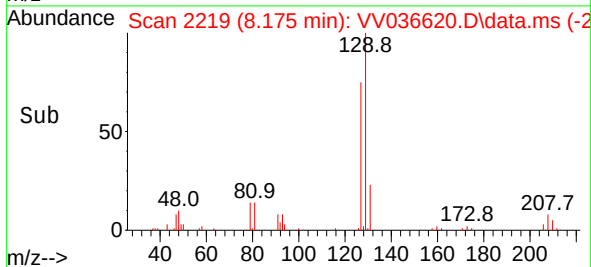
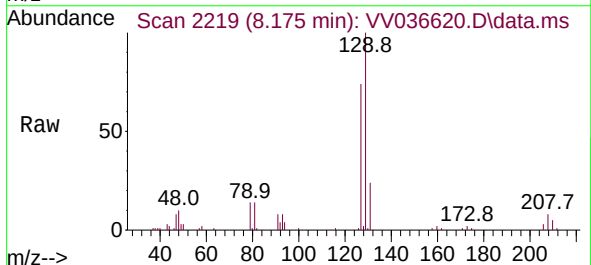


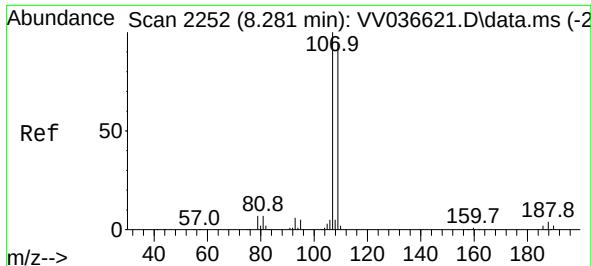
Tgt Ion: 43 Resp: 12963
Ion Ratio Lower Upper
43 100
58 41.7 50.6 75.8#
57 15.7 17.7 26.5#
100 15.4 13.9 20.9



#49
Dibromochloromethane
Concen: 4.793 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 129 Resp: 30761
Ion Ratio Lower Upper
129 100
127 74.2 54.3 100.9

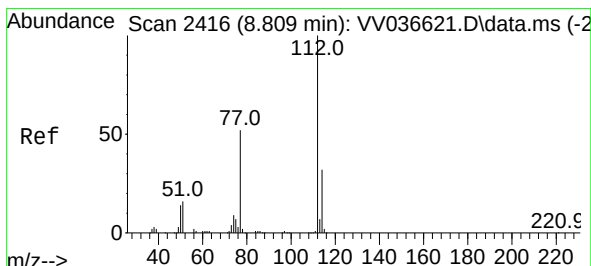
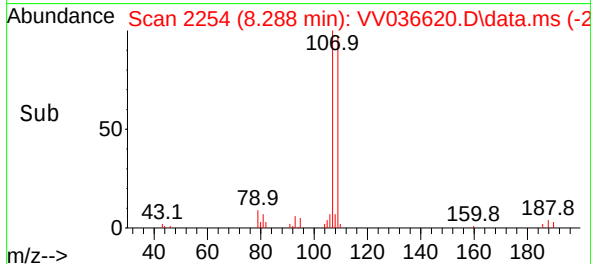
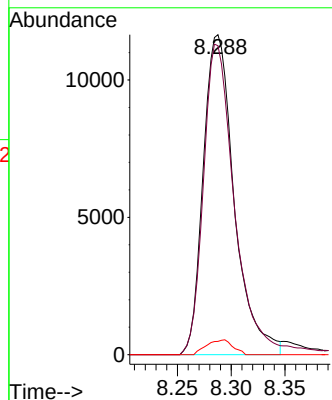
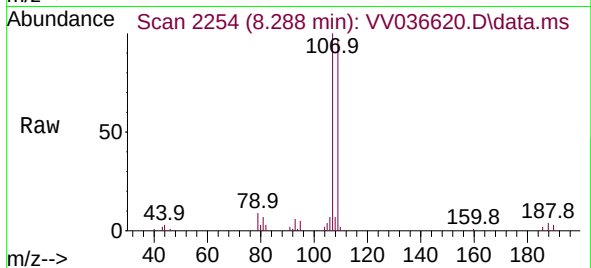




#50
1,2-Dibromoethane
Concen: 4.577 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

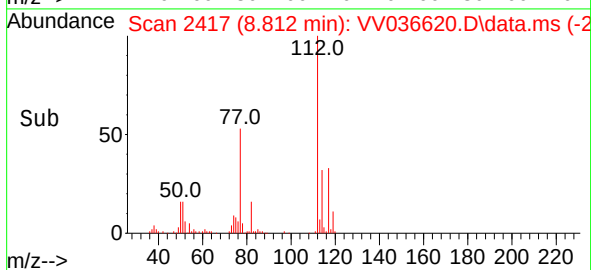
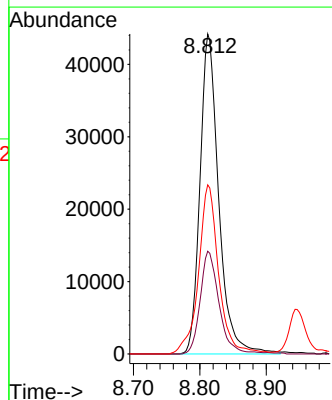
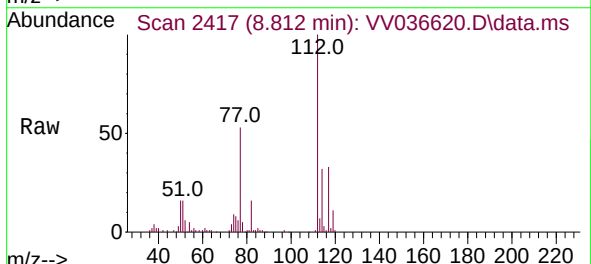
Instrument :
MSVOA_V
ClientSampleId :

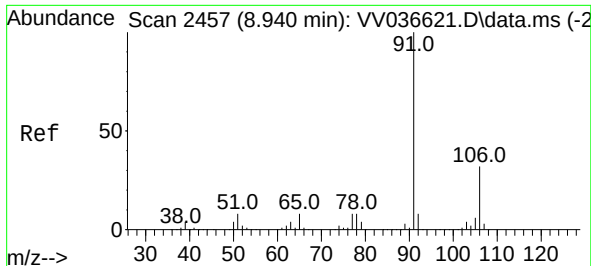
Tgt Ion:107 Resp: 23428
Ion Ratio Lower Upper
107 100
109 96.6 65.5 121.6
188 4.2 3.4 5.2



#51
Chlorobenzene
Concen: 4.764 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion:112 Resp: 86723
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 52.8 41.9 62.9





#52

Ethylbenzene

Concen: 4.252 ug/L

RT: 8.947 min Scan# 2457

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

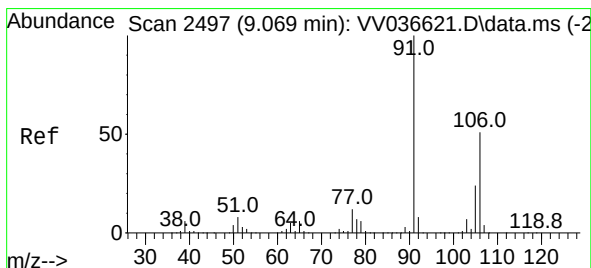
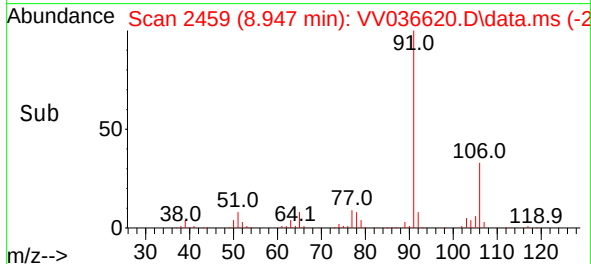
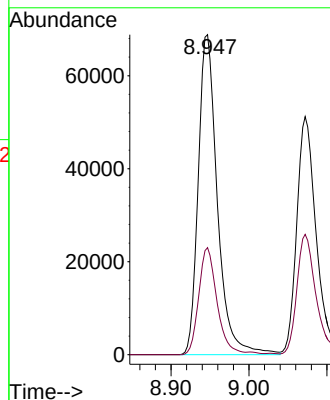
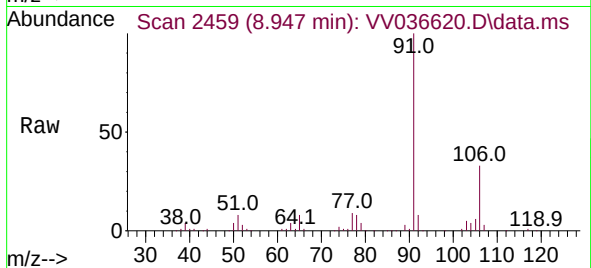
ClientSampleId :

Tgt Ion: 91 Resp: 117569

Ion Ratio Lower Upper

91 100

106 33.5 22.5 41.7



#53

m,p-Xylene

Concen: 4.085 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036620.D

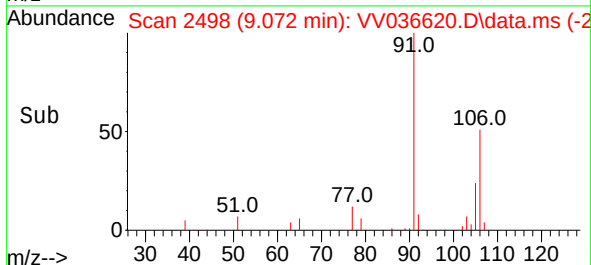
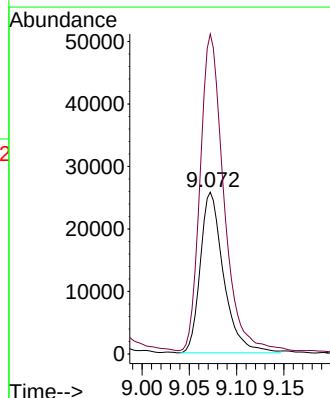
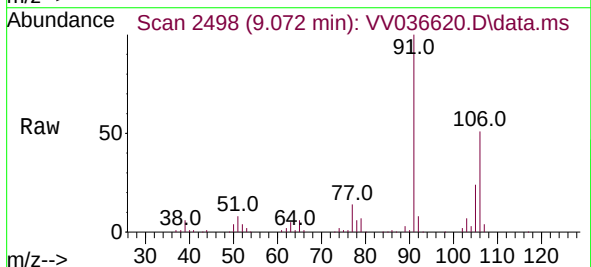
Acq: 22 Jul 2024 09:20

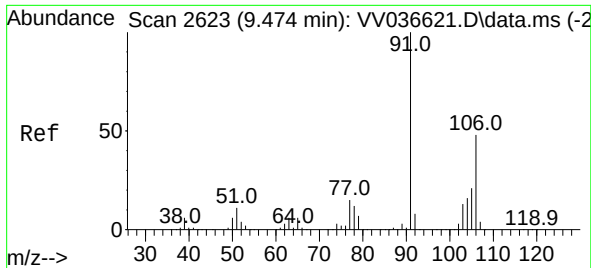
Tgt Ion:106 Resp: 44108

Ion Ratio Lower Upper

106 100

91 197.8 136.8 254.0

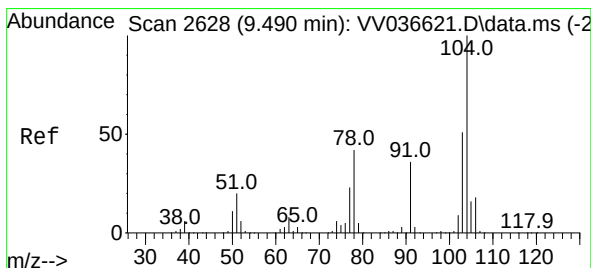
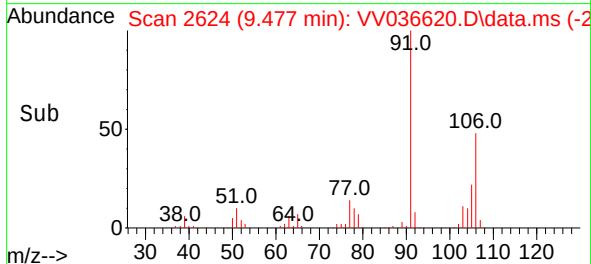
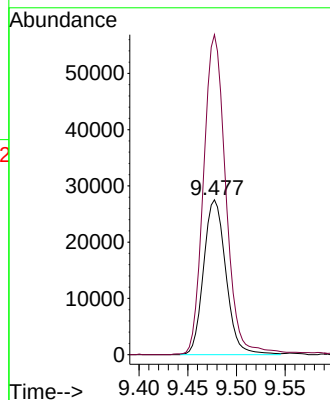
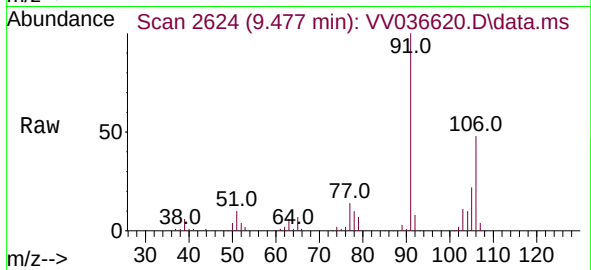




#54
o-Xylene
Concen: 4.234 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

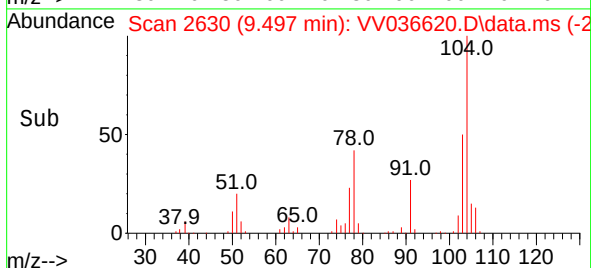
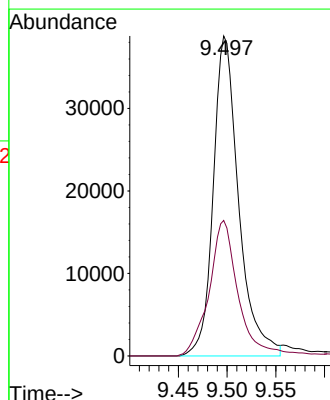
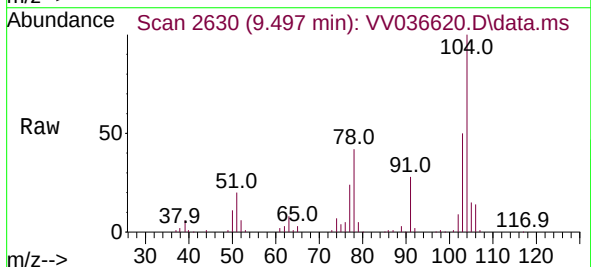
Instrument :
MSVOA_V
ClientSampleId :

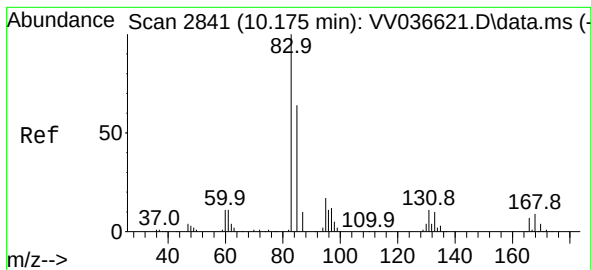
Tgt Ion:106 Resp: 43923
Ion Ratio Lower Upper
106 100
91 206.7 146.1 271.3



#55
Styrene
Concen: 4.000 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion:104 Resp: 70356
Ion Ratio Lower Upper
104 100
78 42.3 29.7 55.1

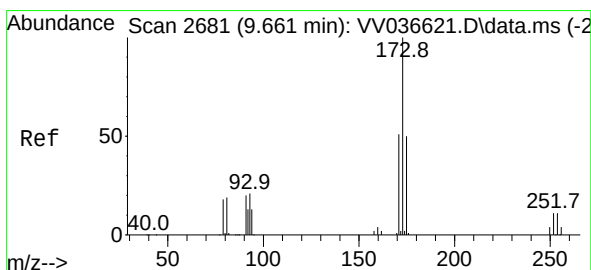
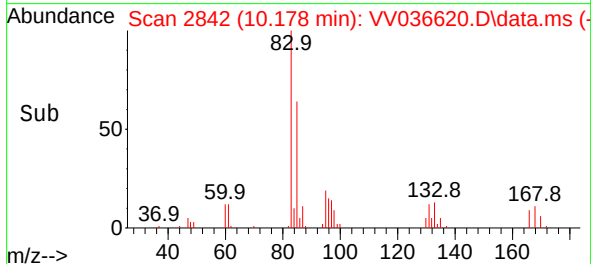
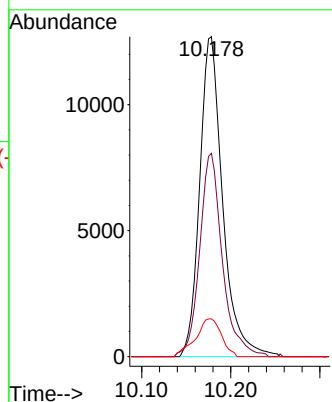
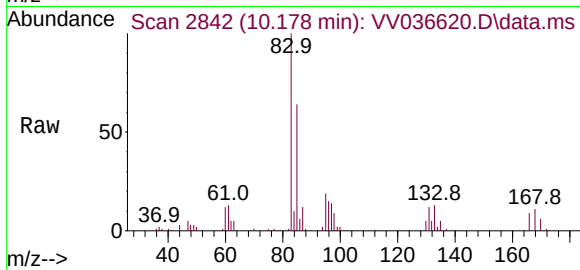




#57
1,1,2,2-Tetrachloroethane
Concen: 4.935 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

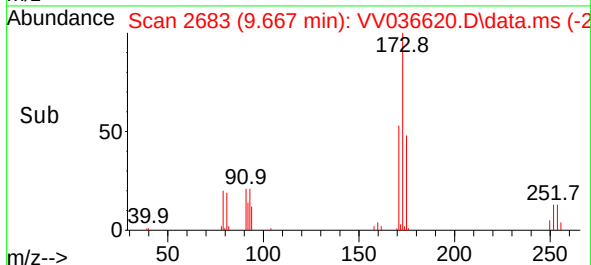
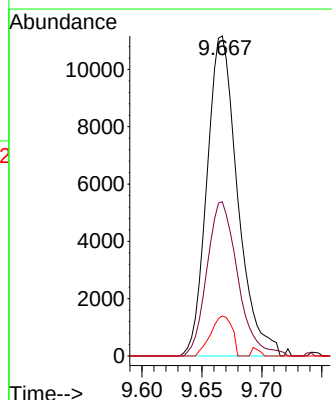
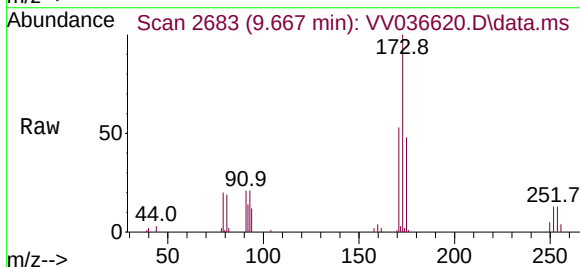
Instrument :
MSVOA_V
ClientSampleId :

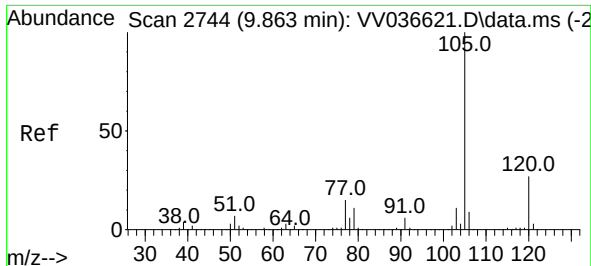
Tgt Ion: 83 Resp: 22780
Ion Ratio Lower Upper
83 100
85 63.6 44.9 83.3
131 11.8 9.3 13.9



#59
Bromoform
Concen: 4.680 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.006 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 173 Resp: 19876
Ion Ratio Lower Upper
173 100
175 48.5 39.6 59.4
254 8.7 8.2 12.4

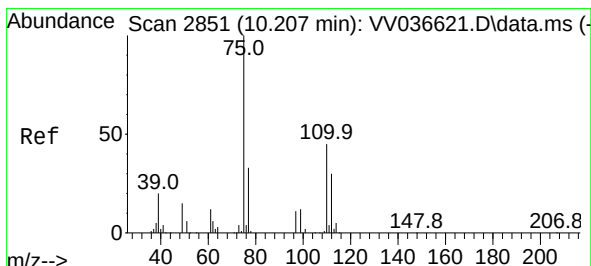
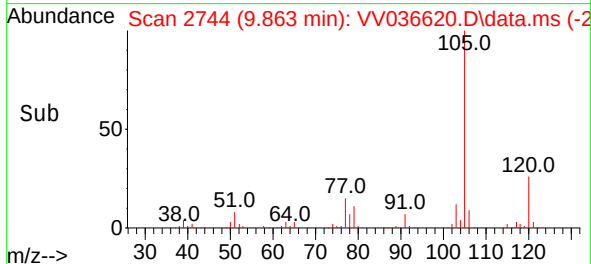
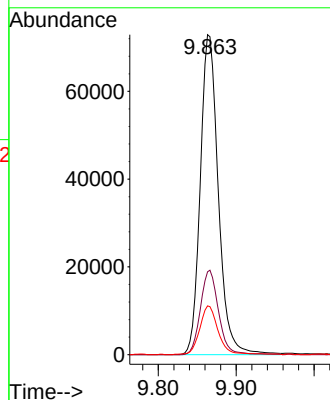
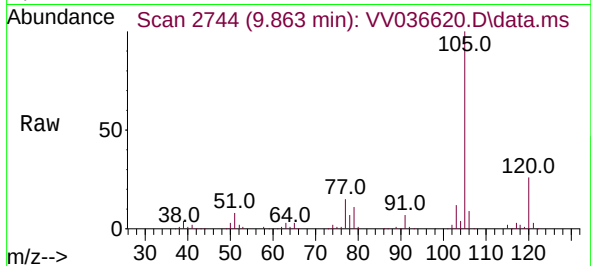




#60
Isopropylbenzene
Concen: 4.252 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

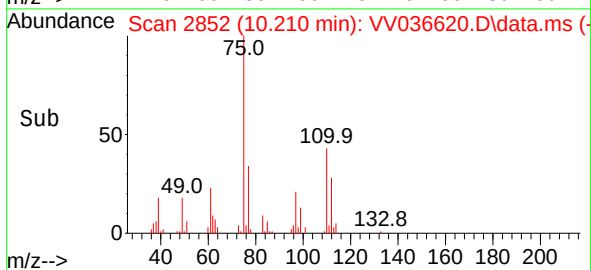
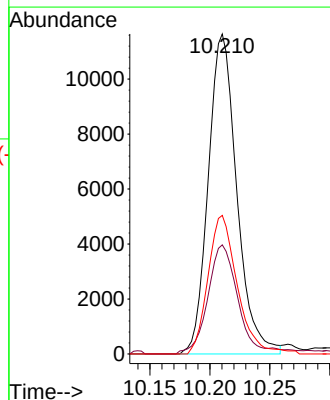
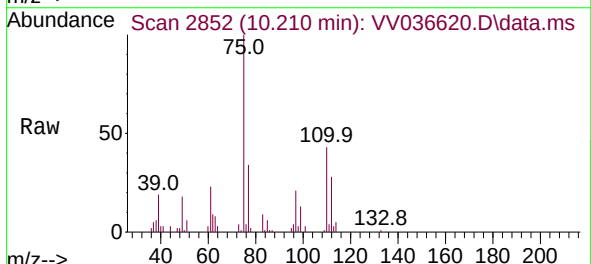
Instrument :
MSVOA_V
ClientSampleId :

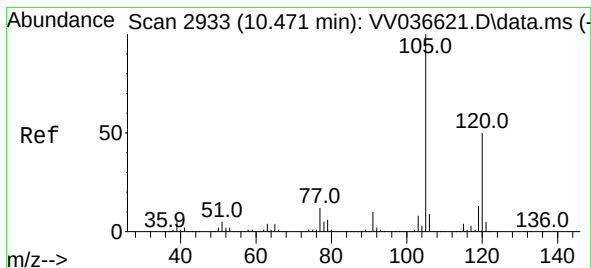
Tgt Ion:105 Resp: 117344
Ion Ratio Lower Upper
105 100
120 26.3 22.1 33.1
77 15.6 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 4.843 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion: 75 Resp: 19256
Ion Ratio Lower Upper
75 100
77 34.8 25.9 38.9
110 44.3 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 3.663 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

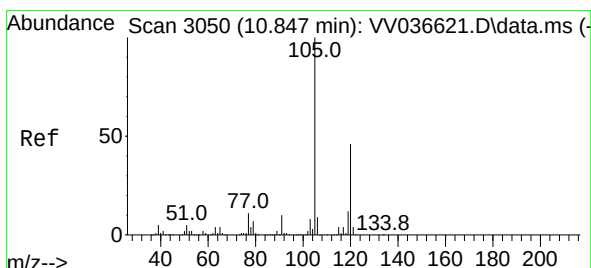
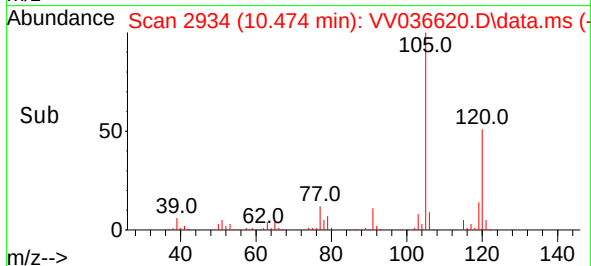
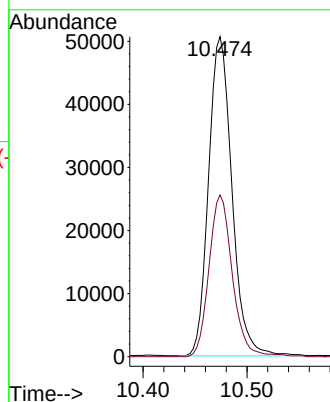
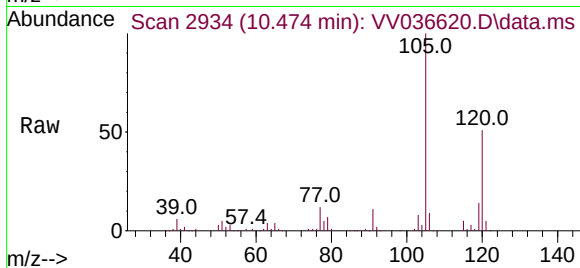
ClientSampleId :

Tgt Ion:105 Resp: 78853

Ion Ratio Lower Upper

105 100

120 50.7 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 3.857 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036620.D

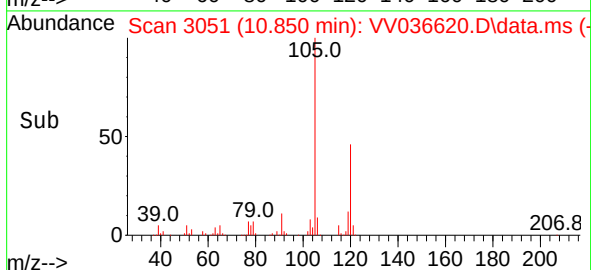
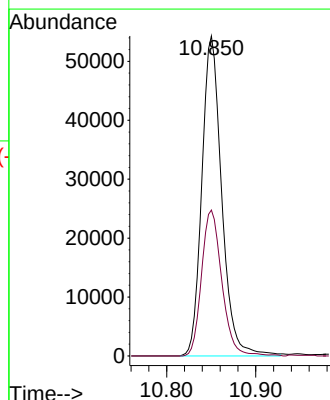
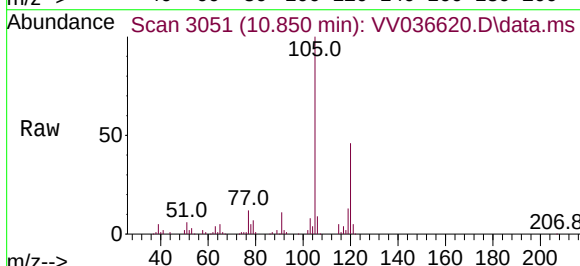
Acq: 22 Jul 2024 09:20

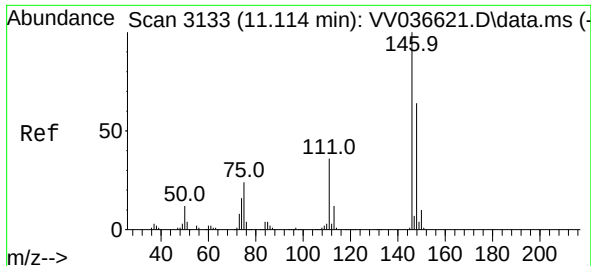
Tgt Ion:105 Resp: 84053

Ion Ratio Lower Upper

105 100

120 46.4 37.2 55.8





#64

1,3-Dichlorobenzene

Concen: 4.635 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :

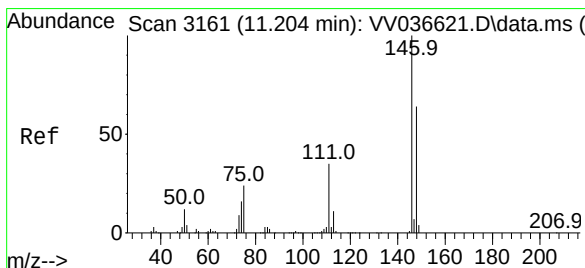
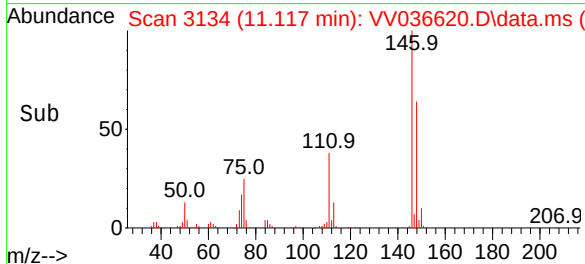
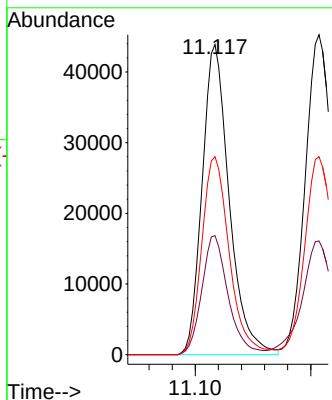
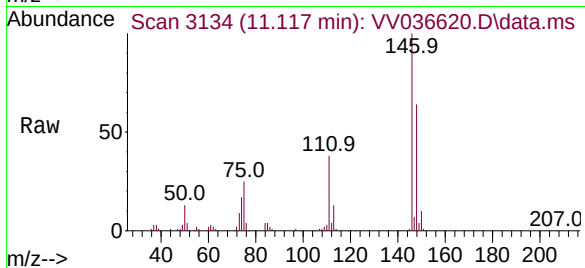
Tgt Ion:146 Resp: 71511

Ion Ratio Lower Upper

146 100

111 38.4 25.5 47.3

148 63.9 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 4.840 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

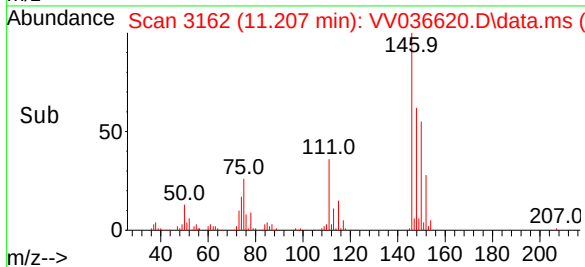
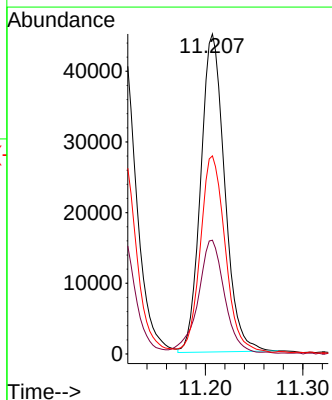
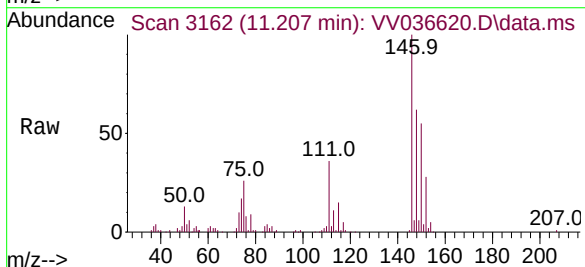
Tgt Ion:146 Resp: 76899

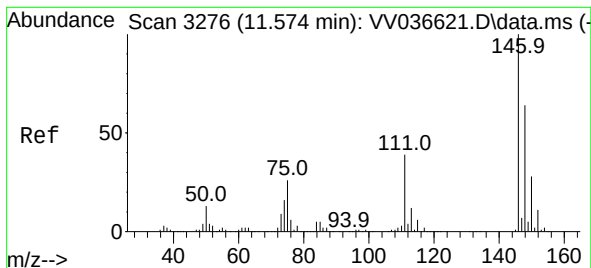
Ion Ratio Lower Upper

146 100

111 35.5 24.9 46.3

148 61.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.823 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :

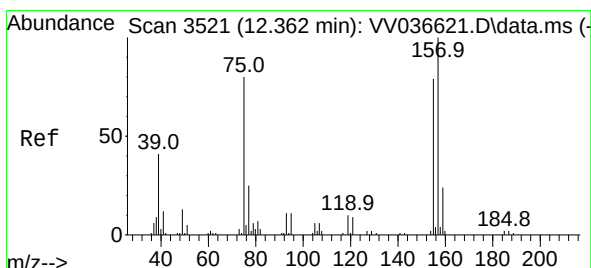
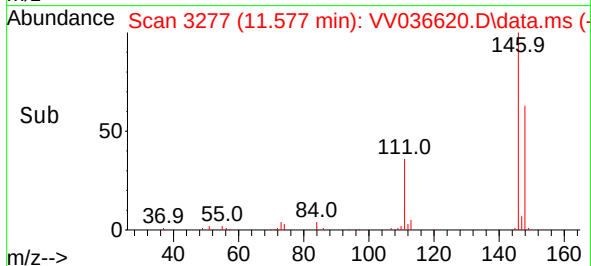
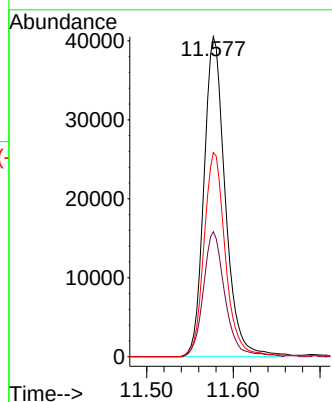
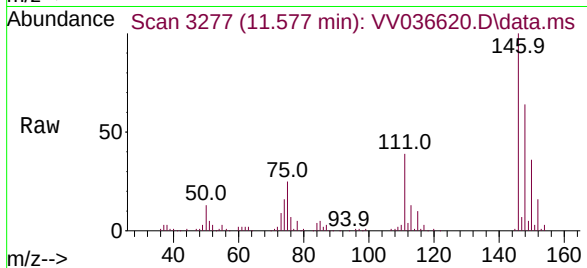
Tgt Ion:146 Resp: 69193

Ion Ratio Lower Upper

146 100

111 39.1 31.3 46.9

148 63.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.845 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.006 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

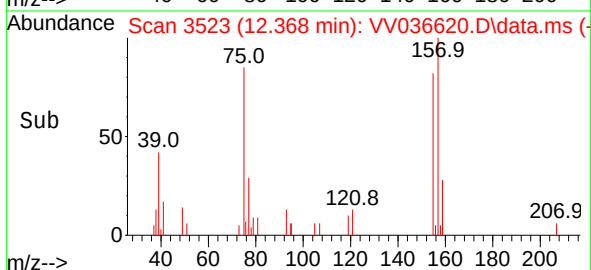
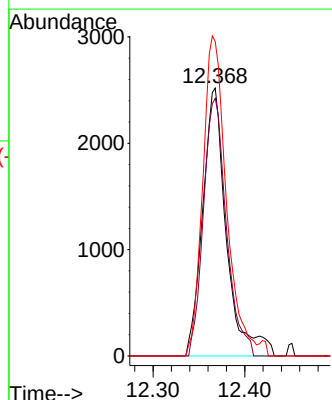
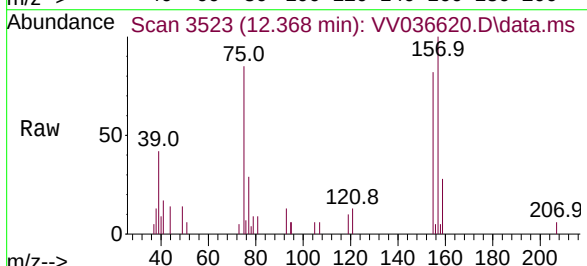
Tgt Ion: 75 Resp: 4536

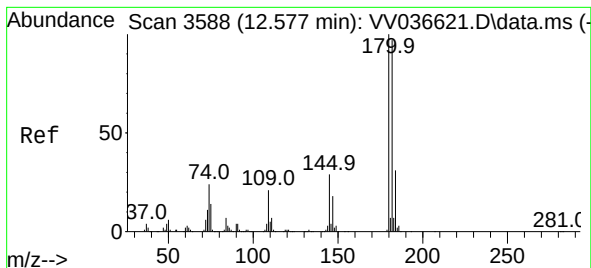
Ion Ratio Lower Upper

75 100

155 96.2 79.5 119.3

157 117.3 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 4.601 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

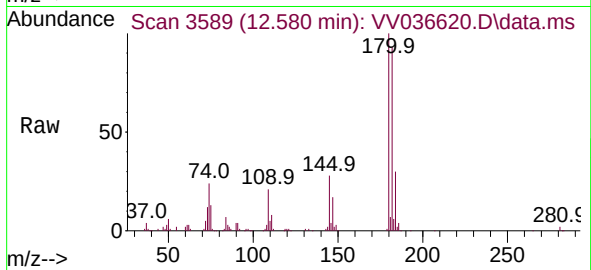
Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 56000

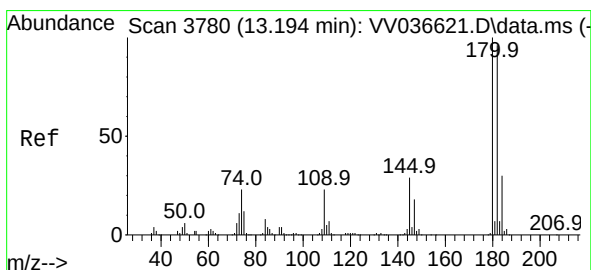
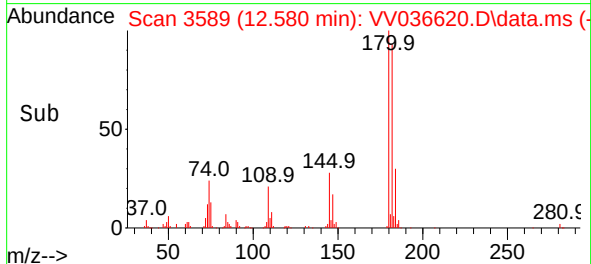
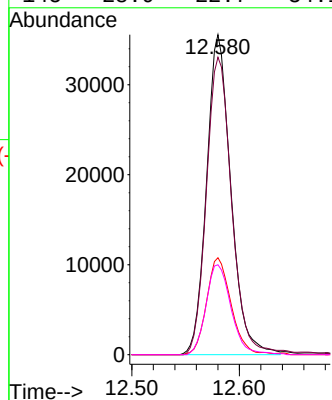
Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

184 30.2 24.6 36.8

145 28.9 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 4.396 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036620.D

Acq: 22 Jul 2024 09:20

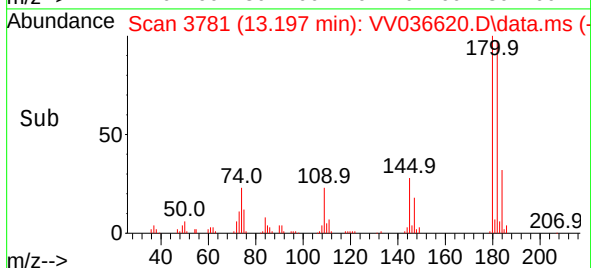
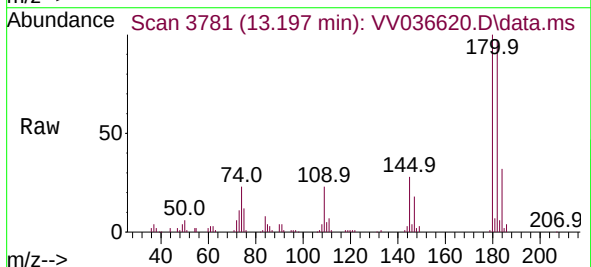
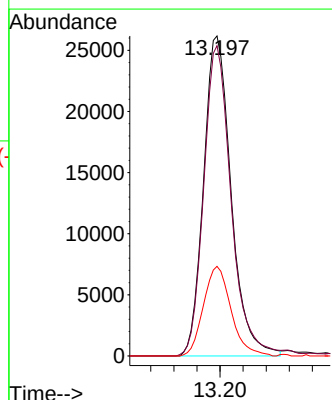
Tgt Ion:180 Resp: 43462

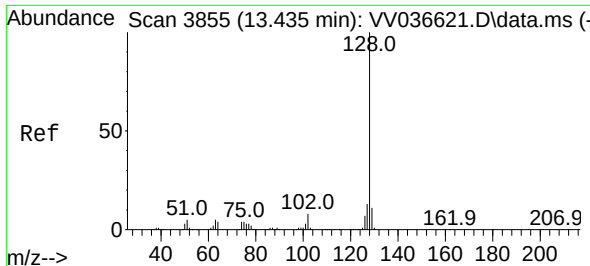
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 28.0 23.0 34.6

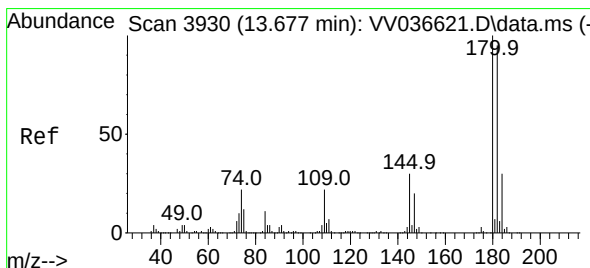
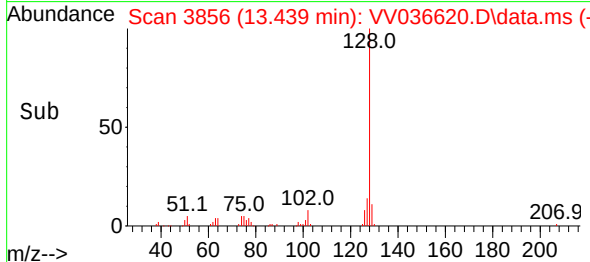
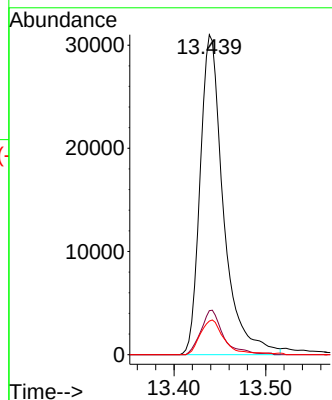
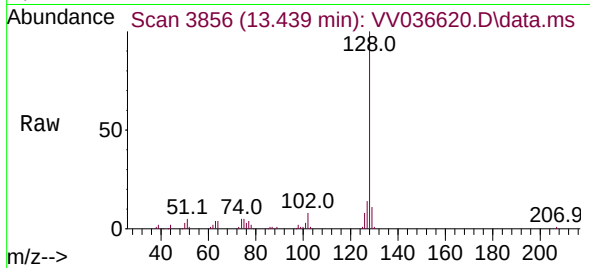




#71
Naphthalene
Concen: 3.790 ug/L
RT: 13.439 min Scan# 3855
Delta R.T. 0.003 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128	Resp: 54871
Ion Ratio	Lower Upper
128	100
127	13.2 10.4 15.6
129	10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 4.386 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. -0.000 min
Lab File: VV036620.D
Acq: 22 Jul 2024 09:20

Tgt Ion:180	Resp: 39125
Ion Ratio	Lower Upper
180	100
182	96.7 75.6 113.4
145	31.7 24.6 37.0

