

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041185.D
 Acq On : 29 Apr 2024 15:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Apr 30 05:10:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1010941	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2553423	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2479299	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1859911	9.933	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	1763749	12.622	ppbv	99
3) Chlorodifluoromethane	2.671	51	2094687	13.593	ppbv	100
4) Chloromethane	2.809	50	842868	13.743	ppbv	96
5) Vinyl Chloride	2.915	62	854657	14.368	ppbv	98
6) Bromomethane	3.115	94	317384	14.402	ppbv	99
7) Chloroethane	3.192	64	304774	14.124	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	1947145	13.789	ppbv	99
9) Propene	2.687	41	826073	13.738	ppbv	98
10) Heptane	7.578	43	1974760	13.717	ppbv	99
11) Trichlorofluoromethane	3.558	101	1983159	14.291	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1440302	13.892	ppbv	99
13) Ethanol	3.234	45	181363	13.965	ppbv	97
14) Bromoethene	3.362	108	610149	14.128	ppbv	99
15) Acetone	3.462	43	1508799	12.505	ppbv	100
16) 1,3-Butadiene	2.980	39	878166	14.643	ppbv	98
17) tert-Butyl alcohol	3.874	59	1808611	13.869	ppbv	100
18) 1,1-Dichloroethene	3.874	96	657860	13.832	ppbv	95
19) Isopropyl Alcohol	3.571	45	1097730	13.995	ppbv	93
20) Methylene Chloride	3.928	84	550060	13.131	ppbv	99
21) Allyl Chloride	3.993	41	1107963	14.096	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	696929	14.844	ppbv	97
23) Vinyl Acetate	4.623	43	1885044	14.164	ppbv #	98
24) 1,1-Dichloroethane	4.562	63	1427015	13.912	ppbv	100
25) Ethyl Acetate	5.202	43	3303603	13.959	ppbv	100
26) Hexane	5.211	57	1433687	13.688	ppbv	99
27) Carbon Disulfide	4.118	76	1767072	14.224	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	1186133	13.913	ppbv	99
29) Chloroform	5.272	83	2045758	13.994	ppbv	99
30) Cyclohexane	6.600	84	1188125	13.822	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1439577	14.353	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	2075136	14.146	ppbv	100
34) 2-Butanone	4.780	43	1960728	15.694	ppbv	99
35) Carbon Tetrachloride	6.491	117	2074346	14.315	ppbv	98
36) Benzene	6.369	78	2958417	13.771	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1612555	14.348	ppbv	100
38) Trichloroethene	7.291	130	1053069	12.985	ppbv	98
39) 1,2-Dichloropropane	7.073	63	1169402	14.091	ppbv	100
40) 1,4-Dioxane	7.282	88	412697	13.926	ppbv #	1
41) Tetrahydrofuran	5.552	42	1338175	14.487	ppbv	99
42) Bromodichloromethane	7.250	83	2332776	14.216	ppbv	98
43) Methyl Methacrylate	7.471	69	1226266	13.912	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	4931627	13.262	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	988714	15.321	ppbv	98

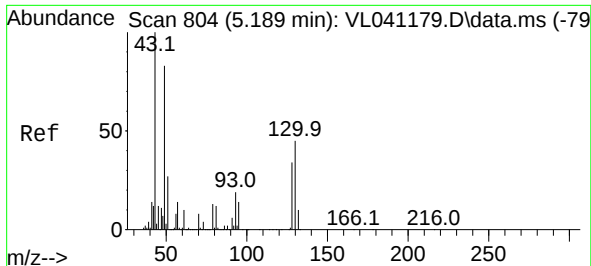
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041185.D
 Acq On : 29 Apr 2024 15:27
 Operator : SY/MD
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Apr 30 05:10:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1134308	14.519	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	1162168	14.063	ppbv	97
48) Dibromochloromethane	9.713	129	1927348	14.421	ppbv	100
49) Bromoform	12.410	173	1678152	14.623	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	3147885	13.348	ppbv	98
51) 2-Hexanone	9.549	43	2360799	13.749	ppbv #	100
52) Tetrachloroethene	10.616	164	1029321	13.600	ppbv	98
53) Toluene	9.221	91	3409218	13.612	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1620882	14.433	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1375093	13.395	ppbv	98
57) Chlorobenzene	11.526	112	2422510	13.360	ppbv	99
58) Ethyl Benzene	12.089	91	4474063	13.102	ppbv	98
59) m/p-Xylene	12.375	91	3691318	12.878	ppbv #	30
60) o-Xylene	13.060	91	3480523	12.934	ppbv	99
61) Styrene	12.899	104	1970709	14.026	ppbv	100
62) Isopropylbenzene	14.031	105	5187149	12.831	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	2473186	13.531	ppbv	100
64) n-propylbenzene	14.918	120	1370922	13.533	ppbv	95
65) tert-Butylbenzene	16.095	119	4489831	12.567	ppbv	100
66) Benzyl Chloride	16.326	91	600830	14.130	ppbv	100
67) sec-Butylbenzene	16.638	105	6361995	12.592	ppbv	99
69) p-Isopropyltoluene	16.995	119	5313366	12.685	ppbv	99
70) n-Butylbenzene	17.886	91	5597949	12.863	ppbv	100
71) 2-Chlorotoluene	14.802	91	4028510	13.043	ppbv	99
72) 4-Ethyltoluene	15.195	105	4185223	13.636	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3625525	13.028	ppbv	98
74) 1,2,4-Trimethylbenzene	16.111	105	3913118	12.918	ppbv	96
75) 1,3-Dichlorobenzene	16.333	146	2359672	13.841	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	2307974	13.898	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	2279101	13.231	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1815132	11.855	ppbv	99
79) Naphthalene	21.384	128	4143713	14.429	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1585680	13.118	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	2064487	13.452	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 804

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

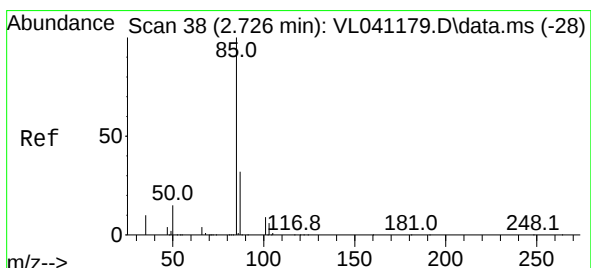
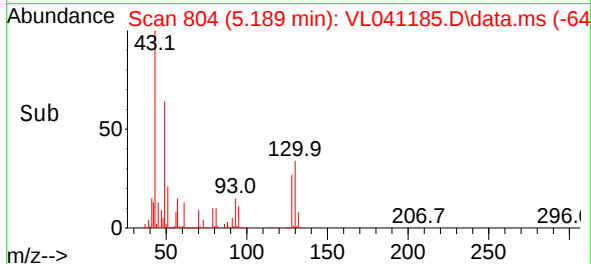
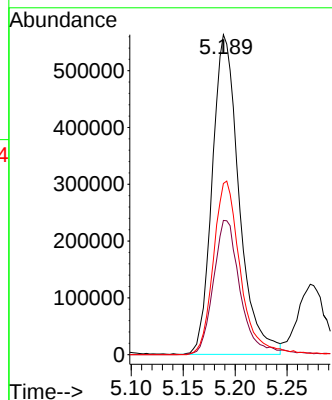
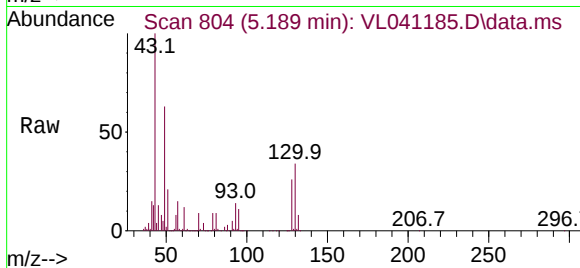
Tgt Ion: 49 Resp: 1010941

Ion Ratio Lower Upper

49 100

128 43.1 21.5 64.5

130 55.0 27.2 81.6



#2

Dichlorodifluoromethane

Concen: 12.622 ppbv

RT: 2.726 min Scan# 38

Delta R.T. 0.000 min

Lab File: VL041185.D

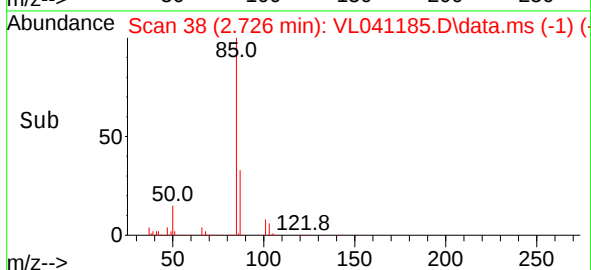
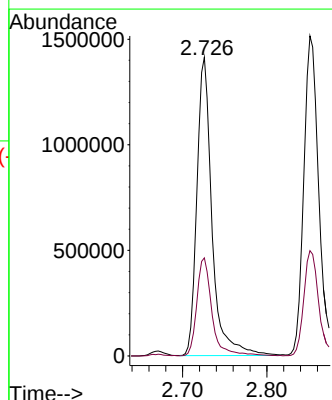
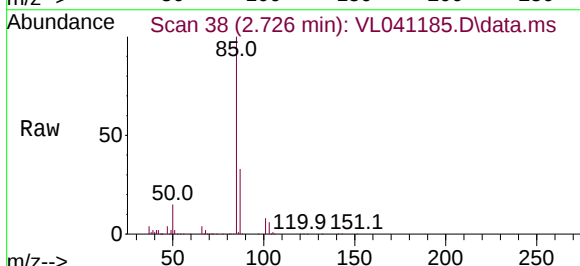
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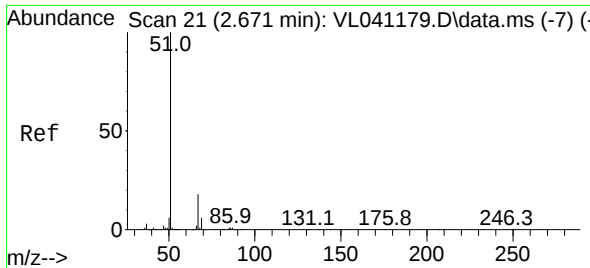
Tgt Ion: 85 Resp: 1763749

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5

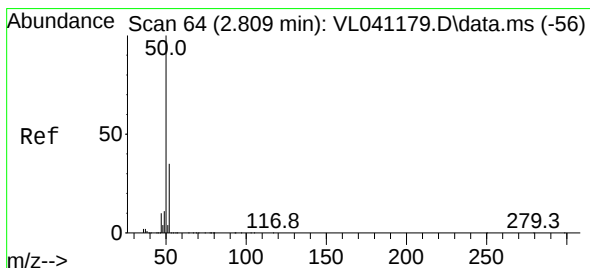
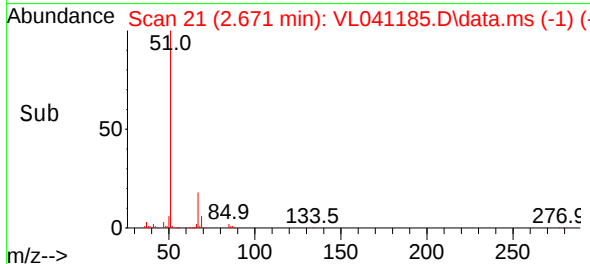
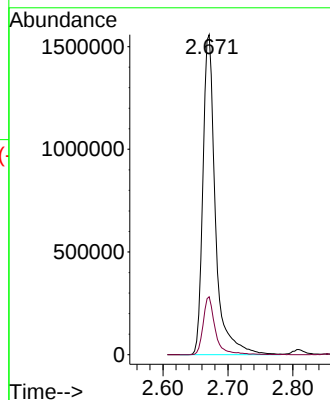
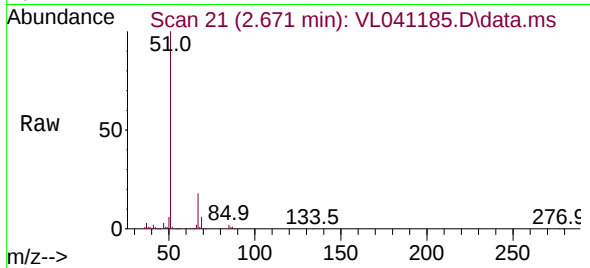




#3
Chlorodifluoromethane
Concen: 13.593 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

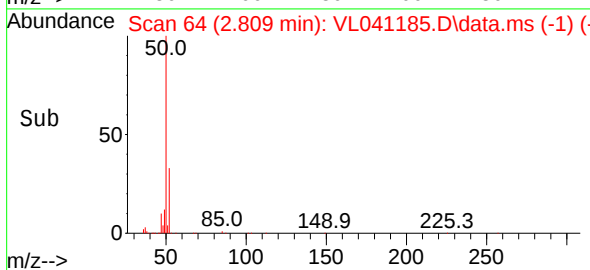
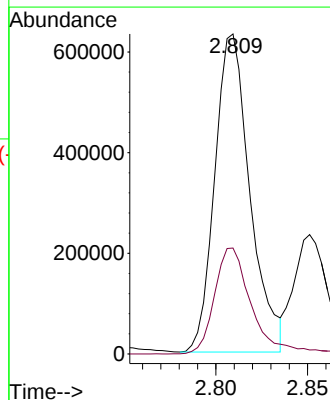
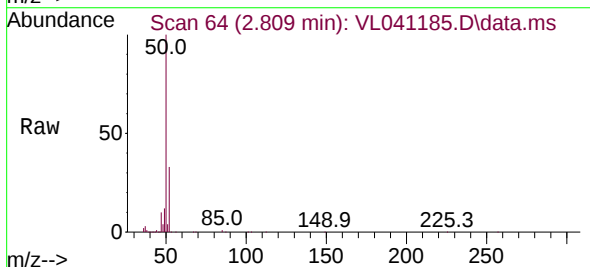
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

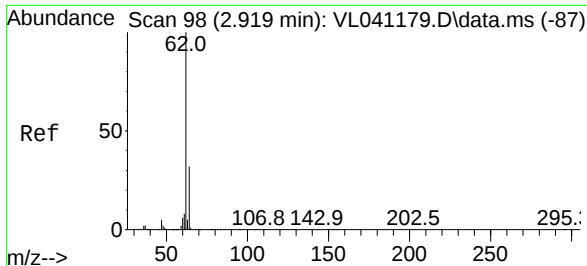
Tgt Ion: 51 Resp: 2094687
Ion Ratio Lower Upper
51 100
67 17.6 14.0 21.0



#4
Chloromethane
Concen: 13.743 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion: 50 Resp: 842868
Ion Ratio Lower Upper
50 100
52 33.3 28.3 42.5

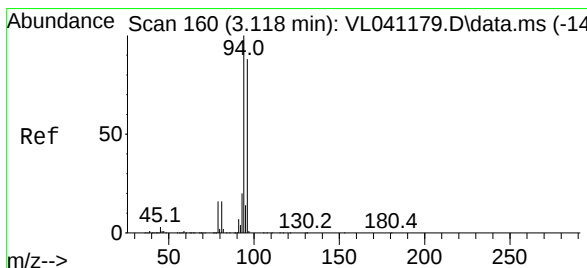
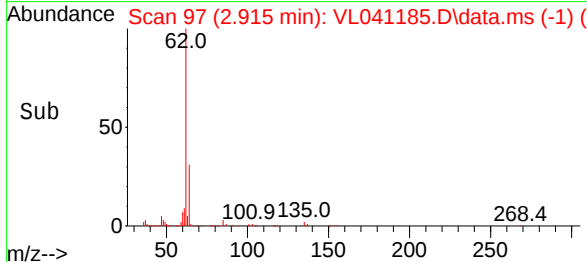
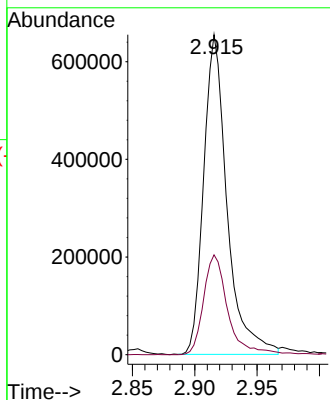
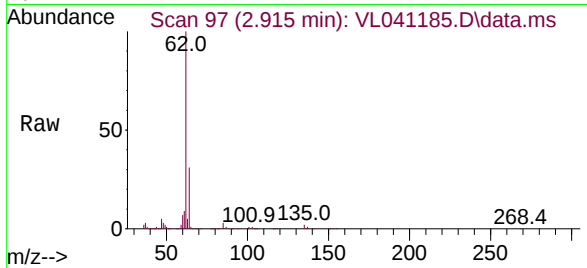




#5
 Vinyl Chloride
 Concen: 14.368 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL041185.D
 Acq: 29 Apr 2024 15:27

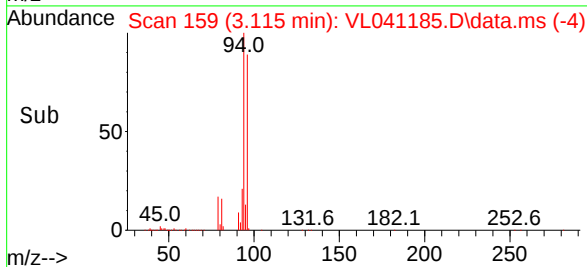
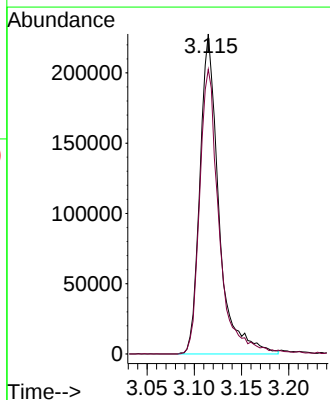
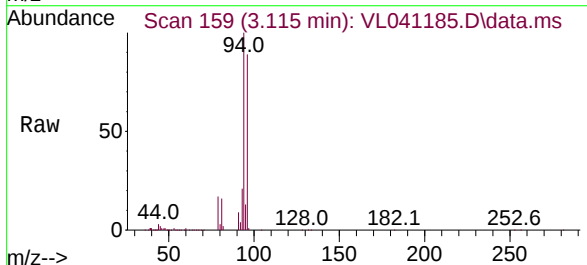
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 ClientSampleId :
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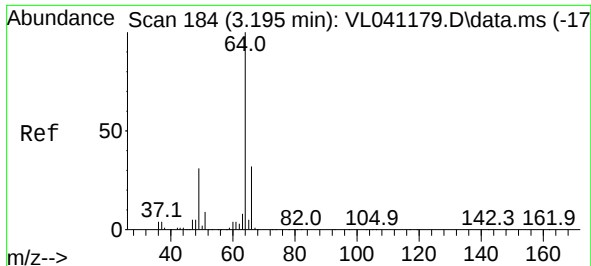
Tgt Ion: 62 Resp: 854657
 Ion Ratio Lower Upper
 62 100
 64 31.2 25.7 38.5



#6
 Bromomethane
 Concen: 14.402 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VL041185.D
 Acq: 29 Apr 2024 15:27

Tgt Ion: 94 Resp: 317384
 Ion Ratio Lower Upper
 94 100
 96 89.0 70.1 105.1

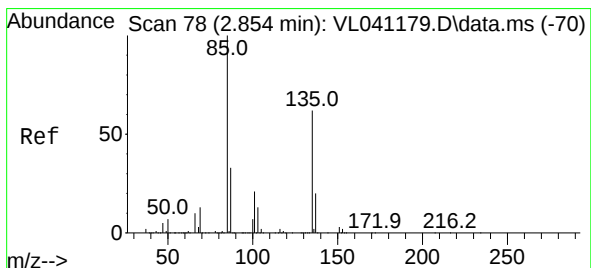
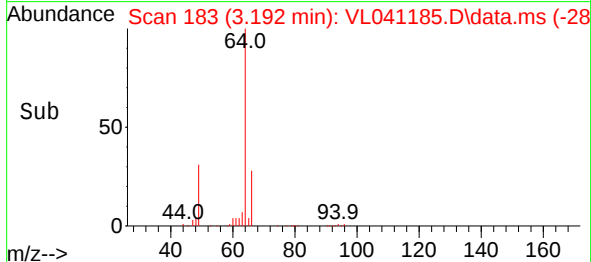
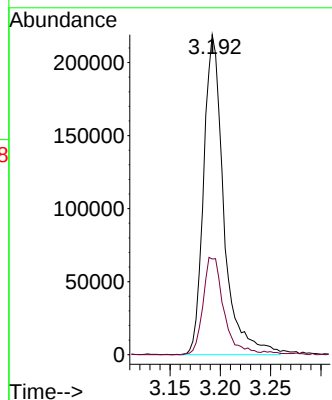
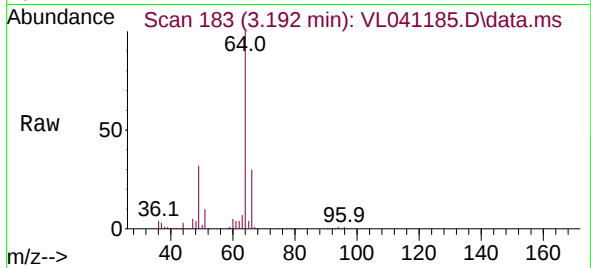




#7
Chloroethane
Concen: 14.124 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

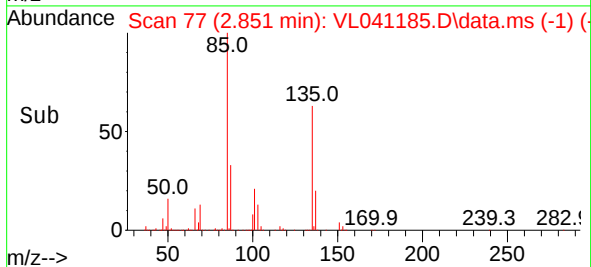
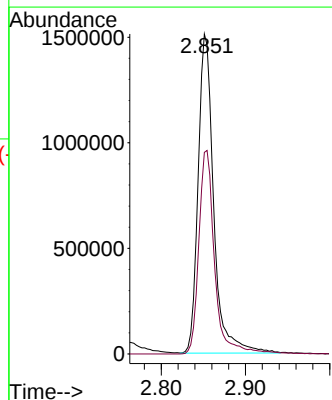
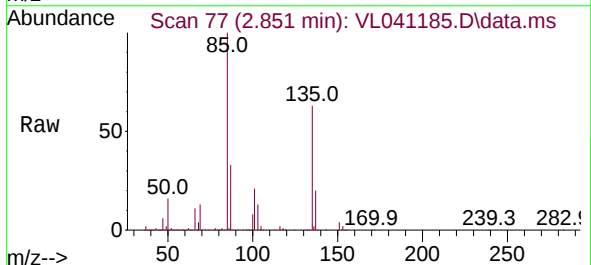
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

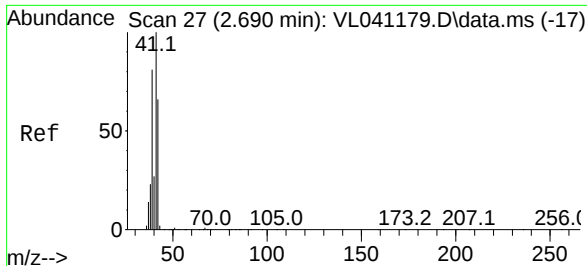
Tgt Ion: 64 Resp: 304774
Ion Ratio Lower Upper
64 100
66 29.9 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 13.789 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion: 85 Resp: 1947145
Ion Ratio Lower Upper
85 100
135 65.1 51.5 77.3





#9

Propene

Concen: 13.738 ppbv

RT: 2.687 min Scan# 2

Delta R.T. -0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_1

ClientSampleId :

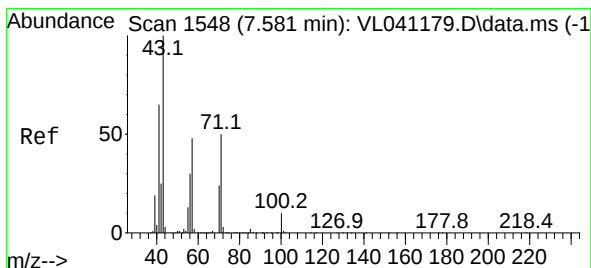
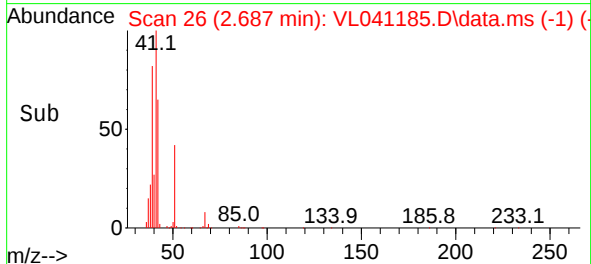
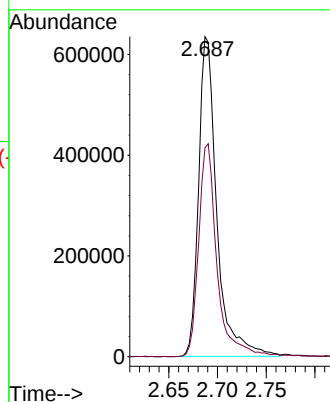
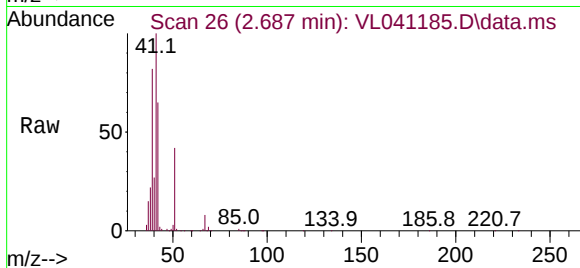
VSTDIC015

Tgt Ion: 41 Resp: 826073

Ion Ratio Lower Upper

41 100

42 67.6 55.3 82.9



#10

Heptane

Concen: 13.717 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. -0.003 min

Lab File: VL041185.D

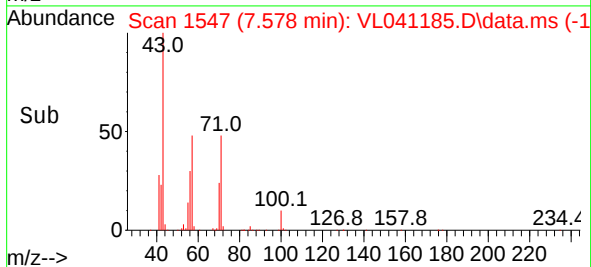
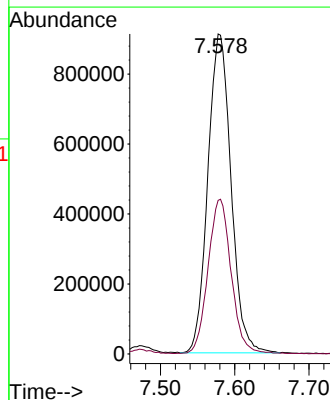
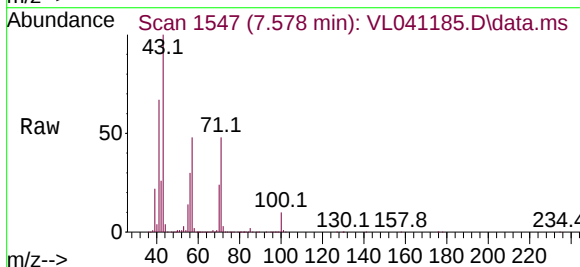
Acq: 29 Apr 2024 15:27

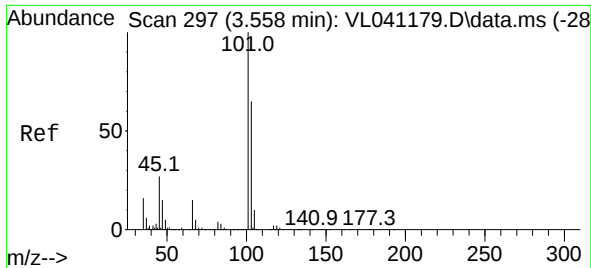
Tgt Ion: 43 Resp: 1974760

Ion Ratio Lower Upper

43 100

57 49.0 38.7 58.1





#11

Trichlorofluoromethane

Concen: 14.291 ppbv

RT: 3.558 min Scan# 297

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

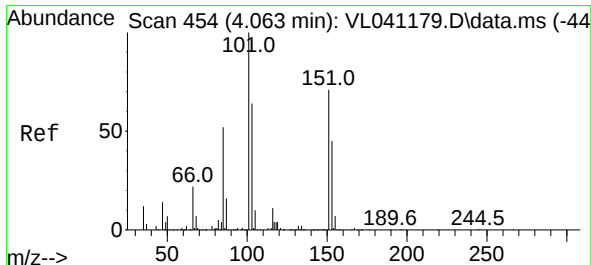
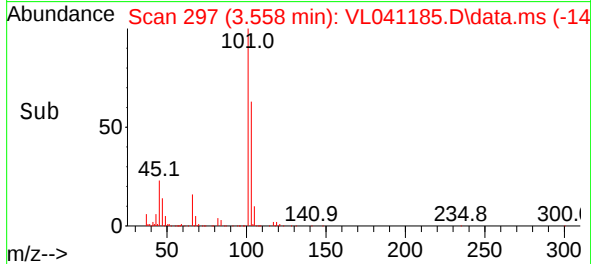
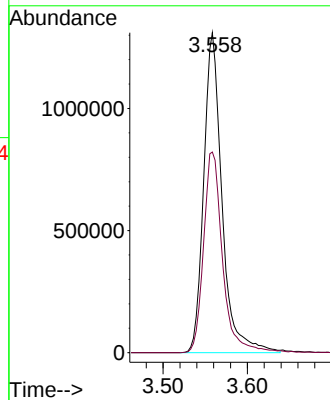
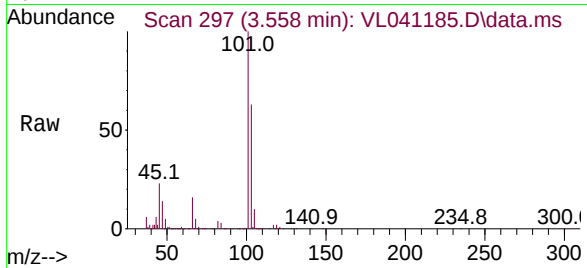
VSTDIC015

Tgt Ion:101 Resp: 1983159

Ion Ratio Lower Upper

101 100

103 62.7 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.892 ppbv

RT: 4.063 min Scan# 454

Delta R.T. 0.000 min

Lab File: VL041185.D

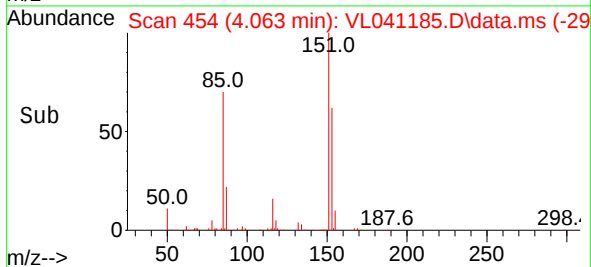
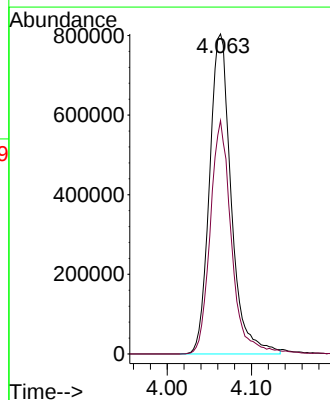
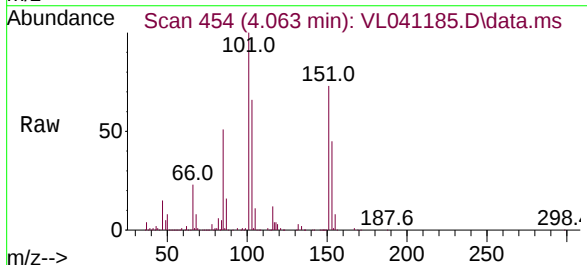
Acq: 29 Apr 2024 15:27

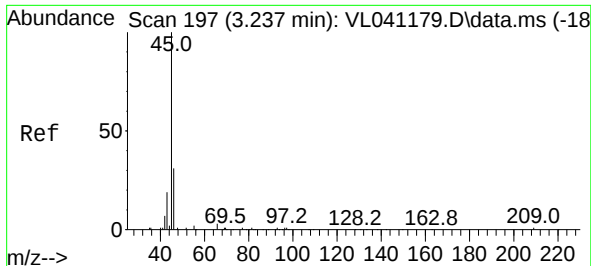
Tgt Ion:101 Resp: 1440302

Ion Ratio Lower Upper

101 100

151 71.7 56.8 85.2





#13

Ethanol

Concen: 13.965 ppbv

RT: 3.234 min Scan# 196

Delta R.T. -0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

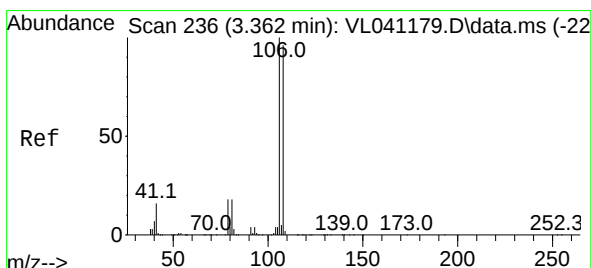
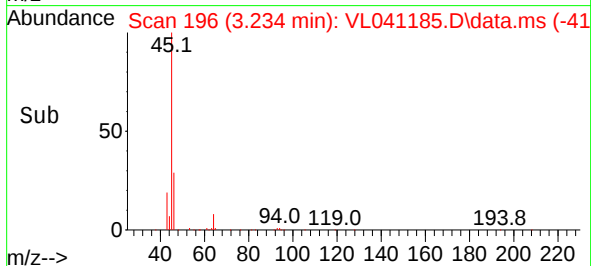
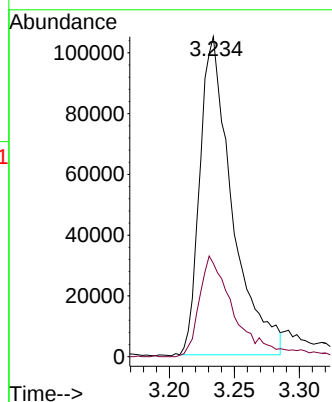
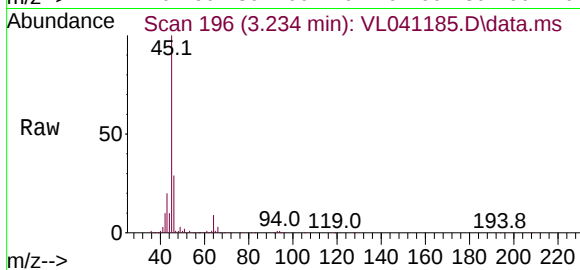
VSTDICC015

Tgt Ion: 45 Resp: 181363

Ion Ratio Lower Upper

45 100

46 35.0 14.8 59.0



#14

Bromoethene

Concen: 14.128 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

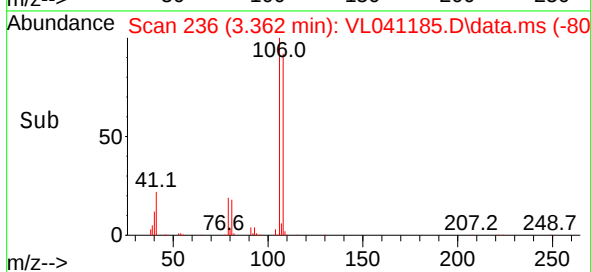
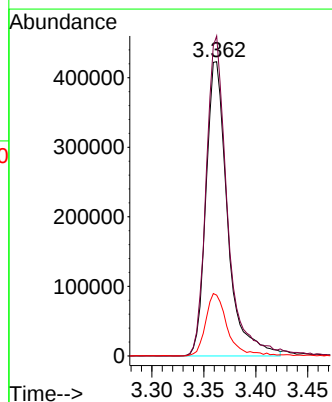
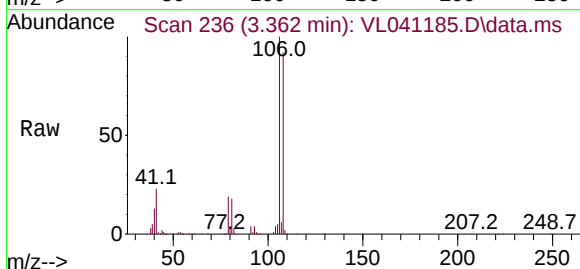
Tgt Ion:108 Resp: 610149

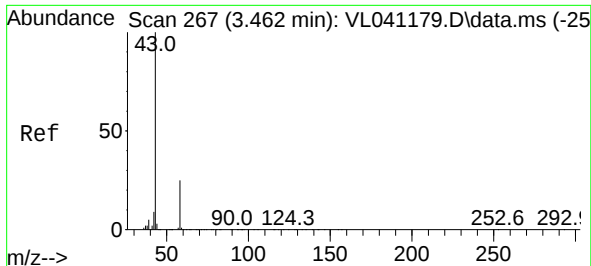
Ion Ratio Lower Upper

108 100

106 108.9 88.2 132.4

79 21.6 17.4 26.0





#15

Acetone

Concen: 12.505 ppbv

RT: 3.462 min Scan# 20

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

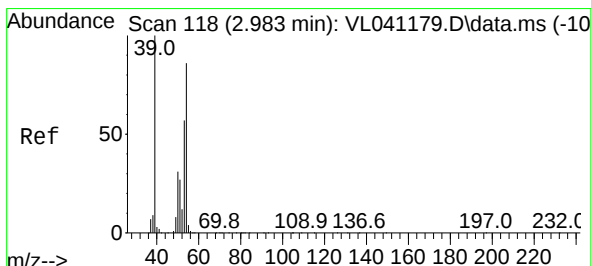
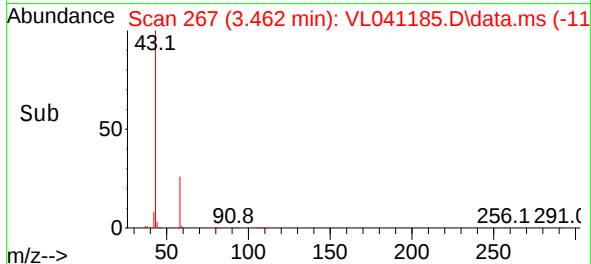
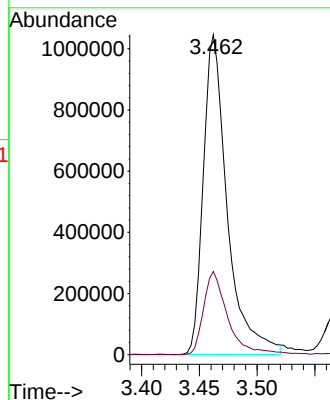
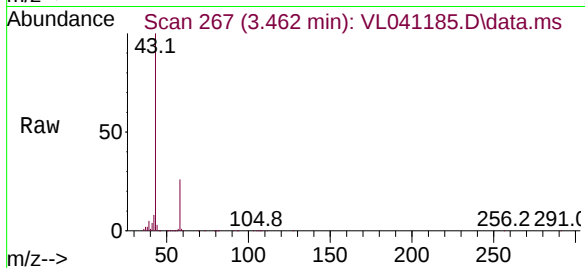
VSTDIC015

Tgt Ion: 43 Resp: 1508799

Ion Ratio Lower Upper

43 100

58 26.5 21.4 32.0



#16

1,3-Butadiene

Concen: 14.643 ppbv

RT: 2.980 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041185.D

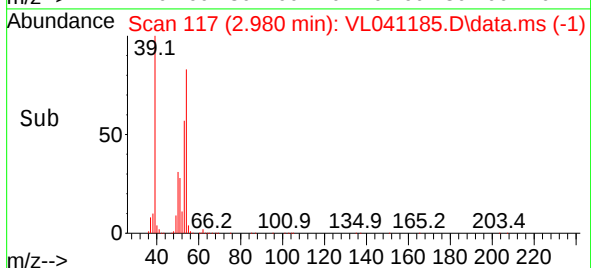
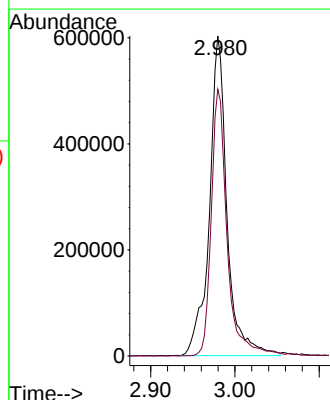
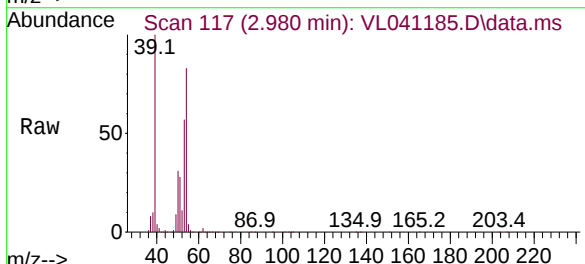
Acq: 29 Apr 2024 15:27

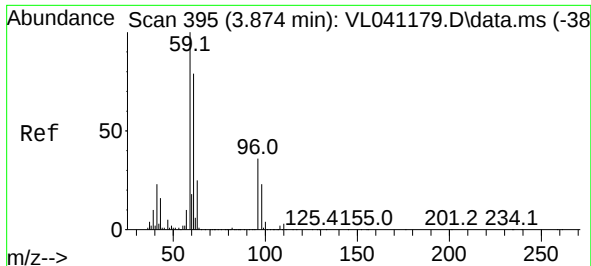
Tgt Ion: 39 Resp: 878166

Ion Ratio Lower Upper

39 100

54 75.7 62.2 93.4





#17

tert-Butyl alcohol

Concen: 13.869 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_1

ClientSampleId :

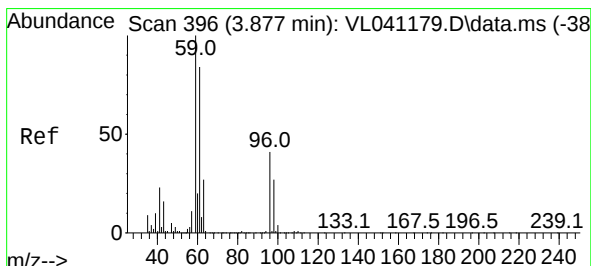
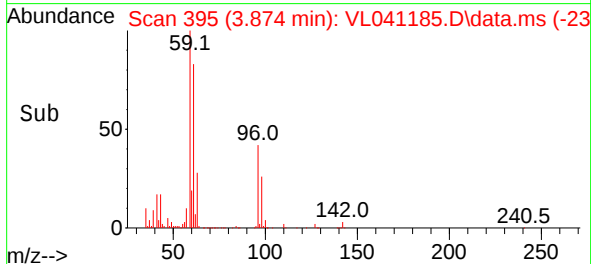
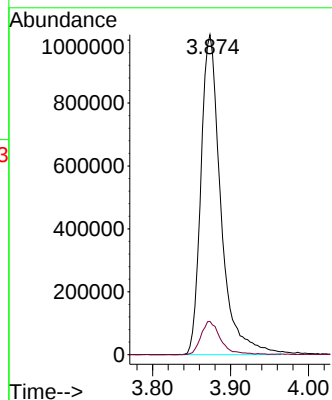
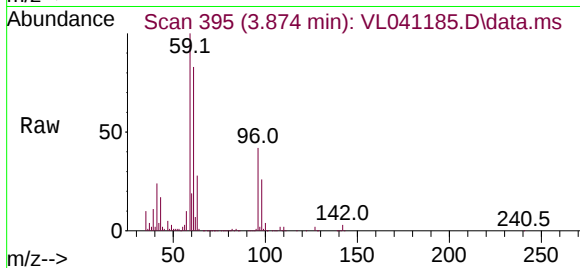
VSTDIC015

Tgt Ion: 59 Resp: 1808611

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#18

1,1-Dichloroethene

Concen: 13.832 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

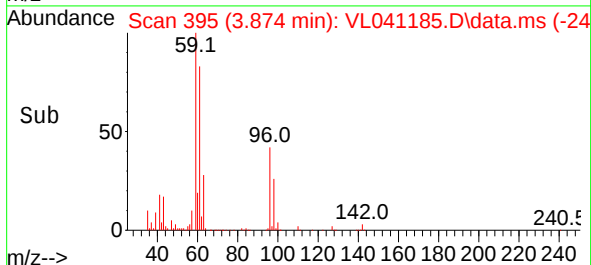
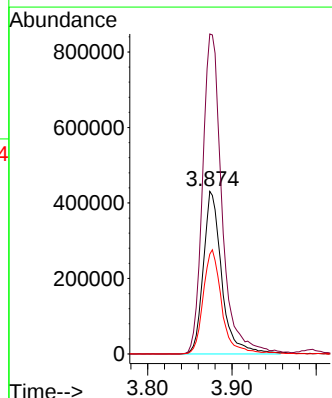
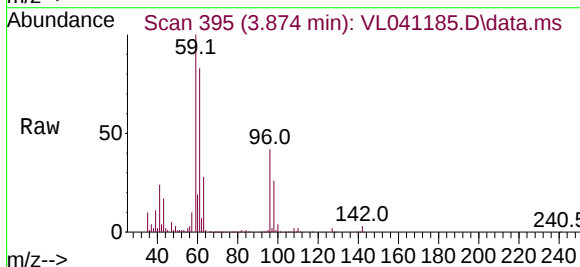
Tgt Ion: 96 Resp: 657860

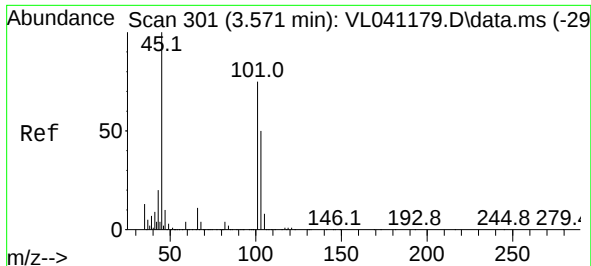
Ion Ratio Lower Upper

96 100

61 196.8 164.4 246.6

98 61.4 51.8 77.8





#19

Isopropyl Alcohol

Concen: 13.995 ppbv

RT: 3.571 min Scan# 301

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

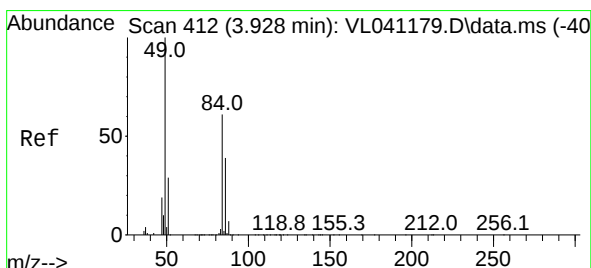
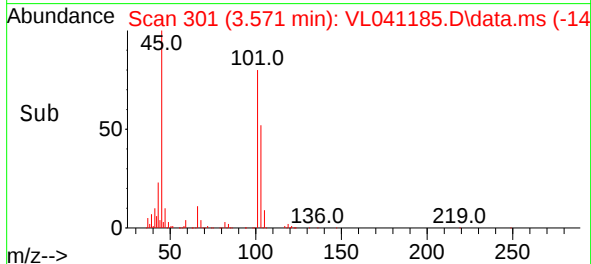
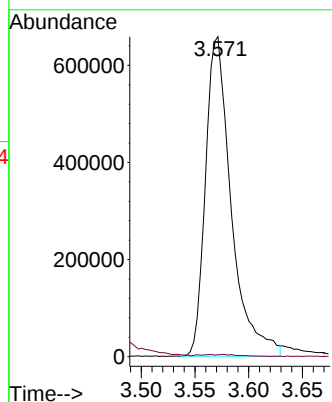
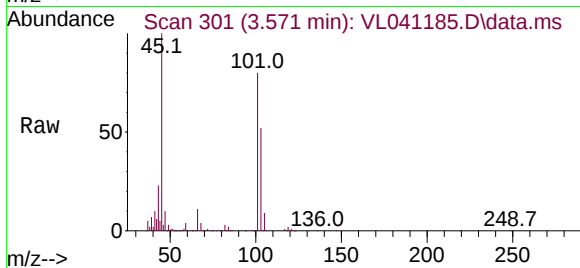
VSTDIC015

Tgt Ion: 45 Resp: 1097730

Ion Ratio Lower Upper

45 100

58 37.5 26.8 40.2



#20

Methylene Chloride

Concen: 13.131 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Tgt Ion: 84 Resp: 550060

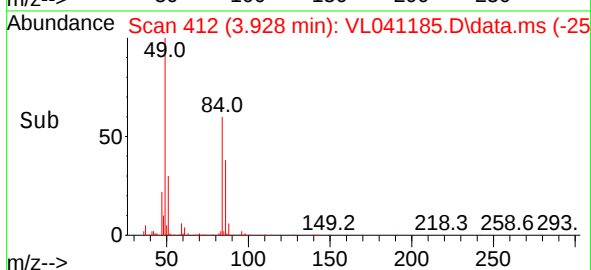
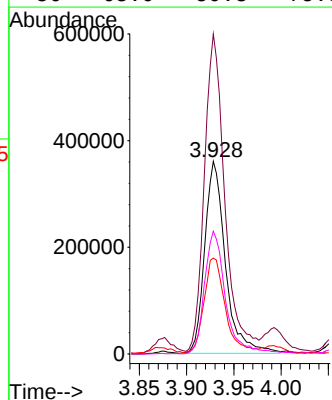
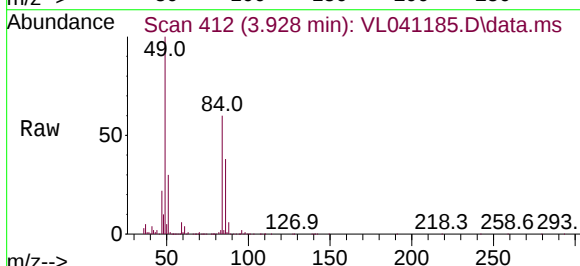
Ion Ratio Lower Upper

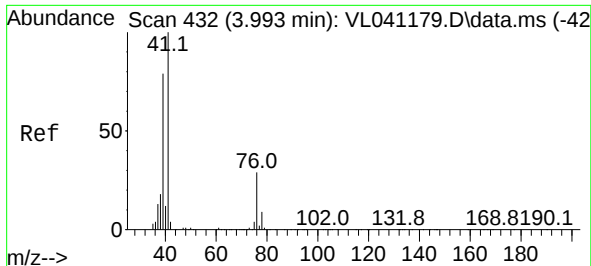
84 100

49 164.4 130.4 195.6

51 48.7 38.0 57.0

86 63.9 50.3 75.5





#21

Allyl Chloride

Concen: 14.096 ppbv

RT: 3.993 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

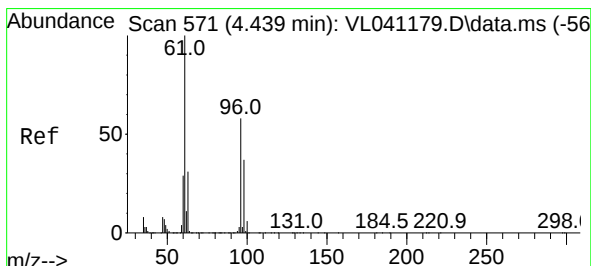
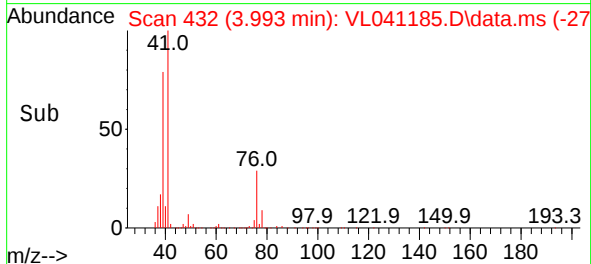
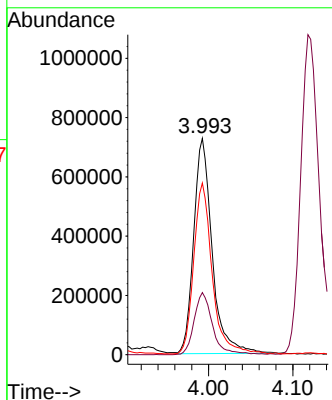
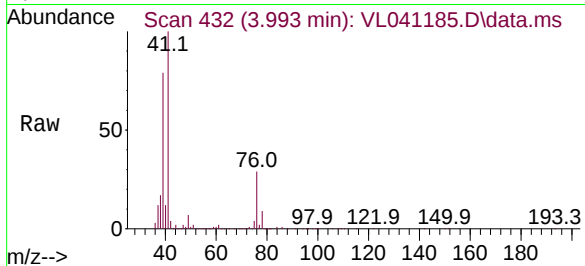
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1107963

Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.7	35.5
39	79.6	64.7	97.1



#22

trans-1,2-Dichloroethene

Concen: 14.844 ppbv

RT: 4.439 min Scan# 571

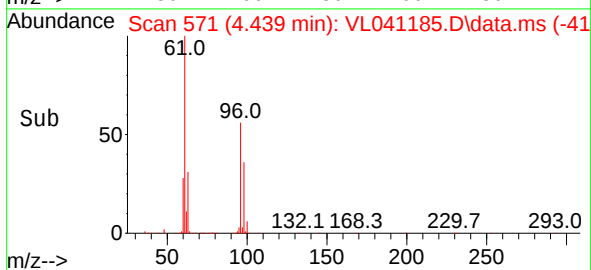
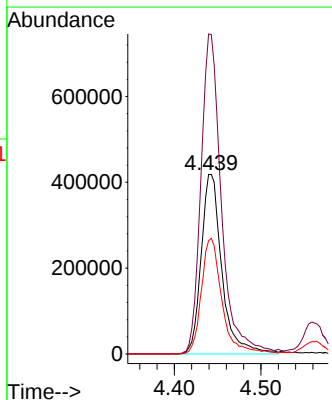
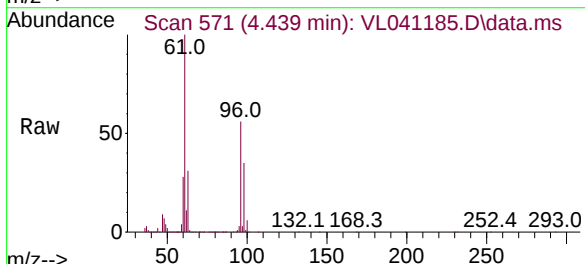
Delta R.T. -0.000 min

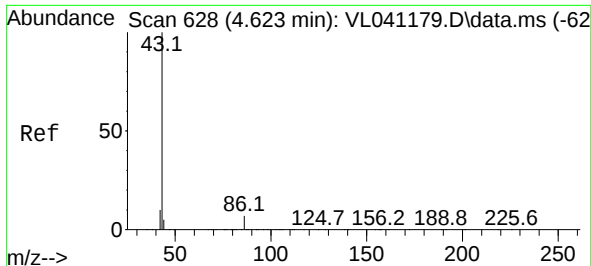
Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Tgt Ion: 96 Resp: 696929

Ion	Ratio	Lower	Upper
96	100		
61	178.3	137.6	206.4
98	63.1	50.6	76.0



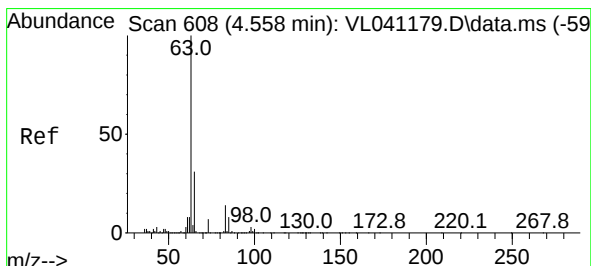
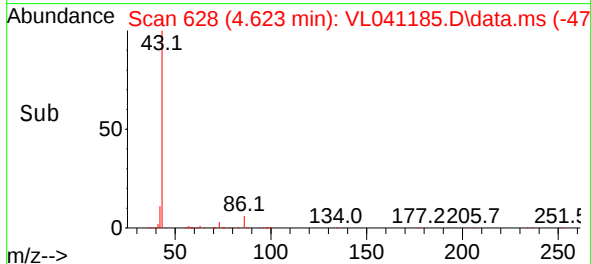
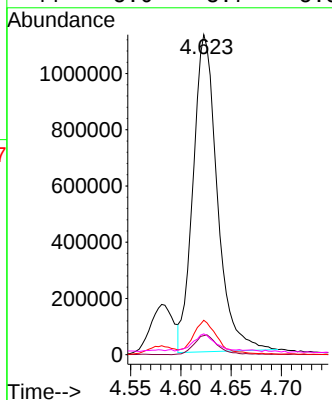
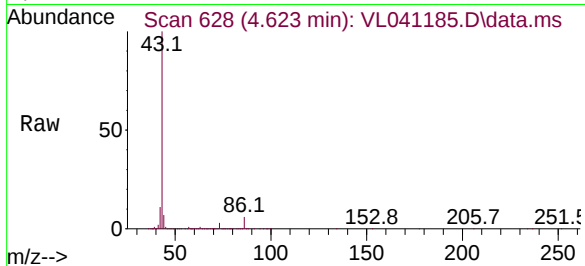


#23
 Vinyl Acetate
 Concen: 14.164 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041185.D
 Acq: 29 Apr 2024 15:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 1885044

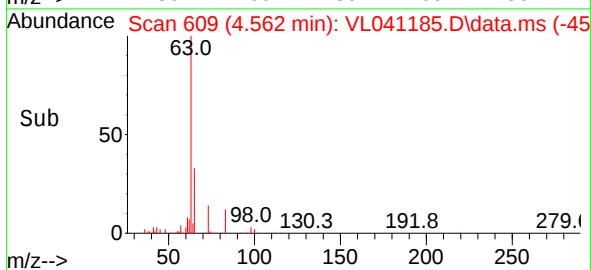
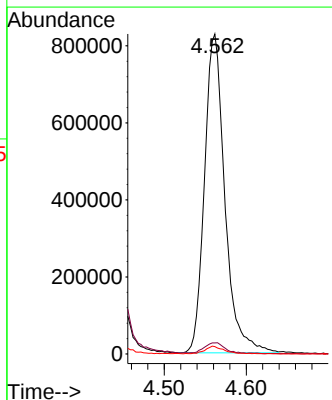
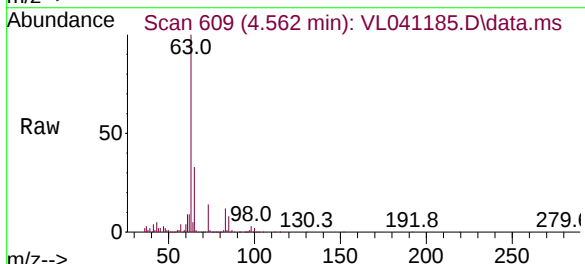
Ion	Ratio	Lower	Upper
43	100		
86	5.9	4.9	7.3
42	10.7	8.0	12.0
44	5.6	3.7	5.5

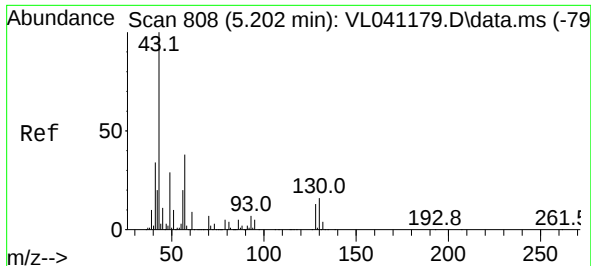


#24
 1,1-Dichloroethane
 Concen: 13.912 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.003 min
 Lab File: VL041185.D
 Acq: 29 Apr 2024 15:27

Tgt Ion: 63 Resp: 1427015

Ion	Ratio	Lower	Upper
63	100		
98	3.3	1.6	4.8
100	2.3	1.1	3.5





#25

Ethyl Acetate

Concen: 13.959 ppbv

RT: 5.202 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3303603

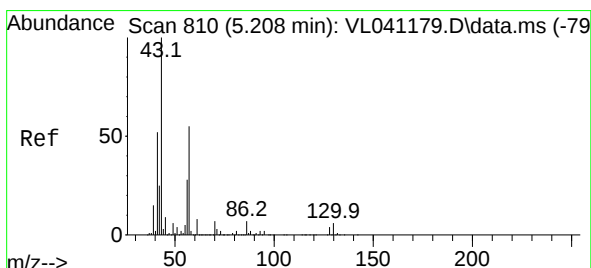
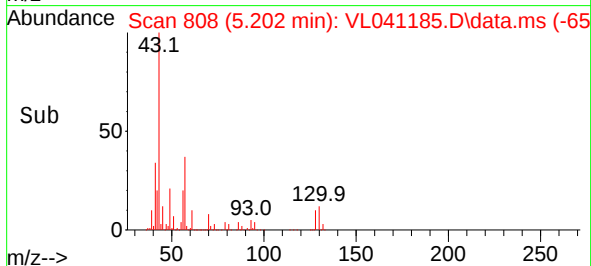
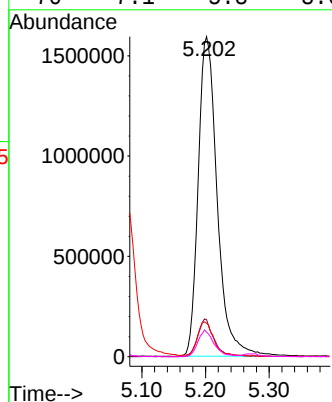
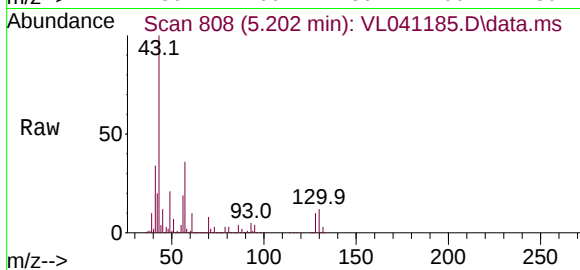
Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.2

61 9.8 7.7 11.5

70 7.1 5.8 8.6



#26

Hexane

Concen: 13.688 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Tgt Ion: 57 Resp: 1433687

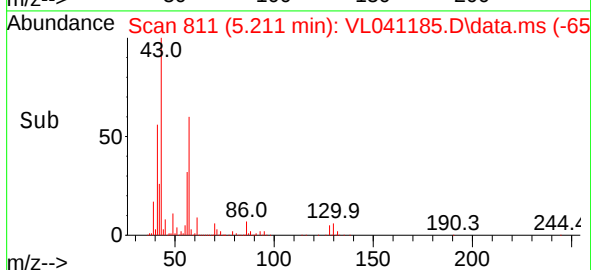
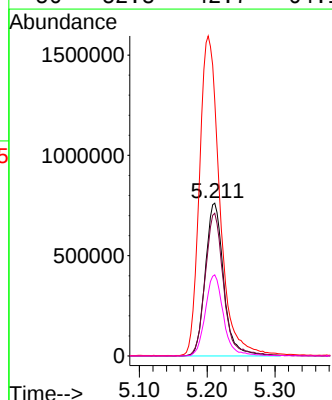
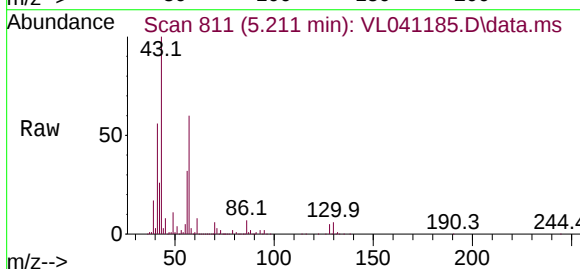
Ion Ratio Lower Upper

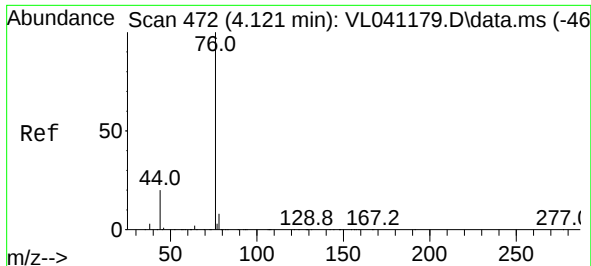
57 100

41 94.2 75.8 113.8

43 232.1 187.0 280.4

56 52.8 42.7 64.1

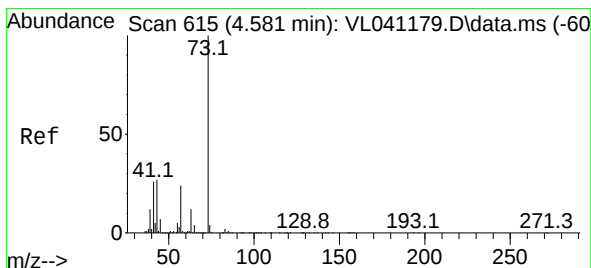
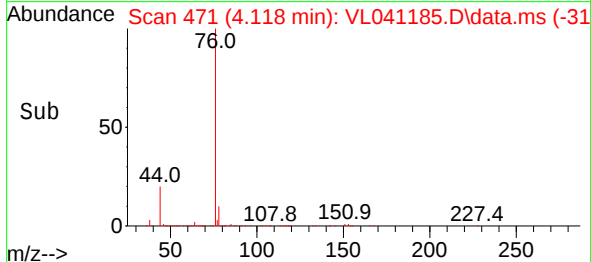
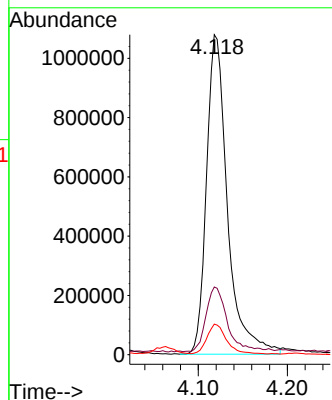
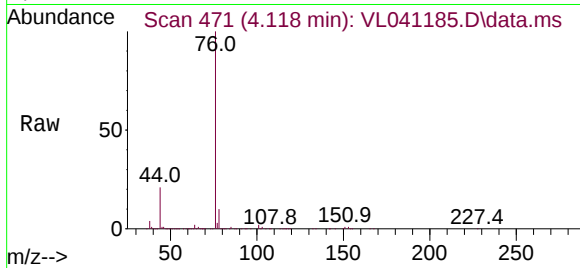




#27
Carbon Disulfide
Concen: 14.224 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

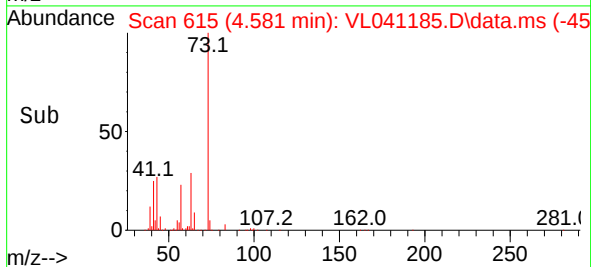
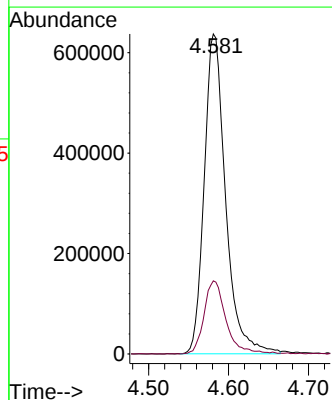
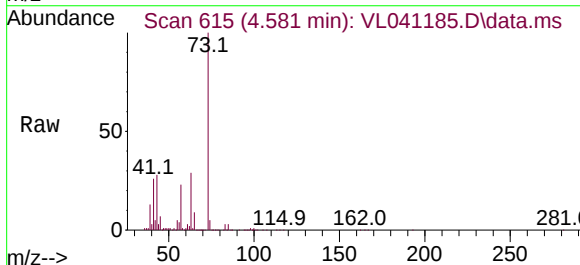
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

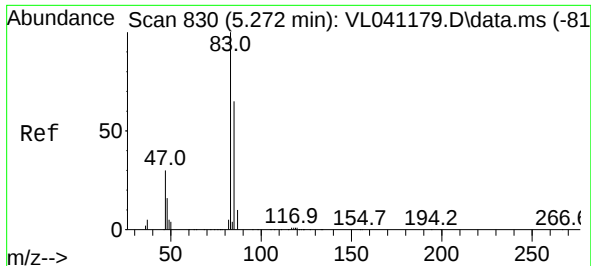
Tgt Ion: 76 Resp: 1767072
Ion Ratio Lower Upper
76 100
44 21.9 16.3 24.5
78 9.2 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 13.913 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion: 73 Resp: 1186133
Ion Ratio Lower Upper
73 100
57 23.8 18.8 28.2





#29

Chloroform

Concen: 13.994 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

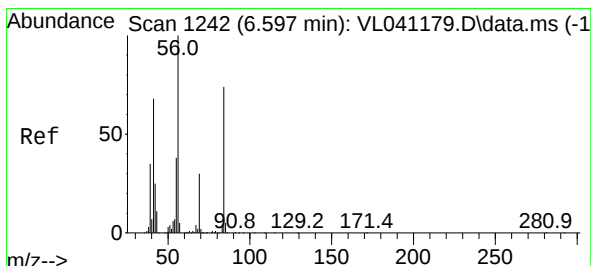
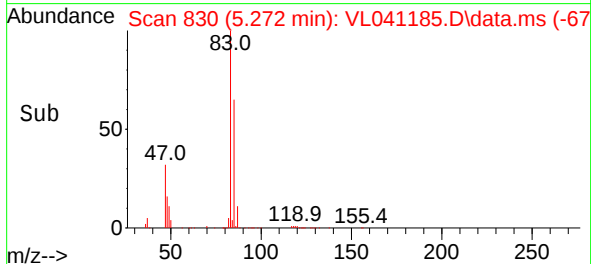
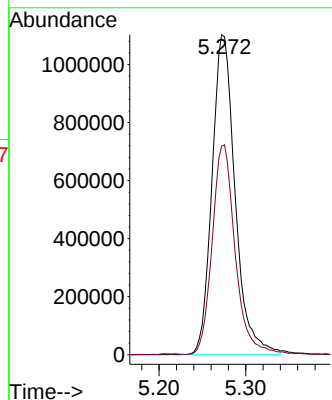
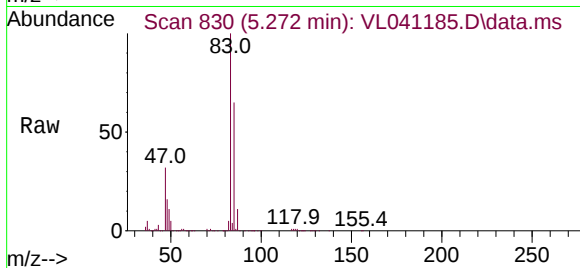
VSTDIC015

Tgt Ion: 83 Resp: 2045758

Ion Ratio Lower Upper

83 100

85 65.1 51.7 77.5



#30

Cyclohexane

Concen: 13.822 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

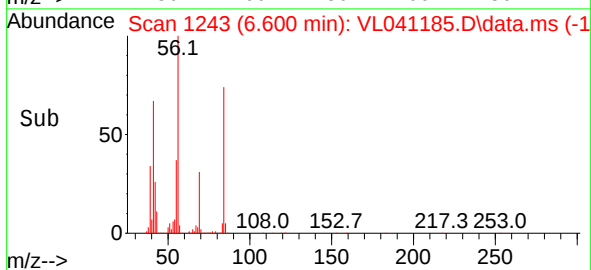
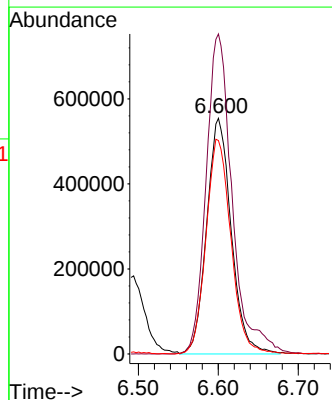
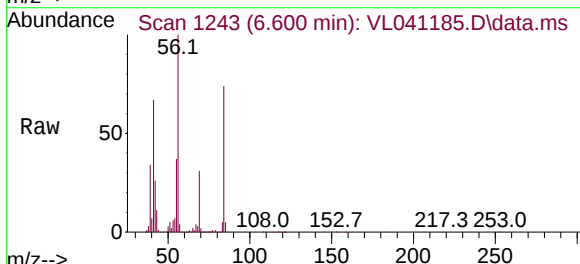
Tgt Ion: 84 Resp: 1188125

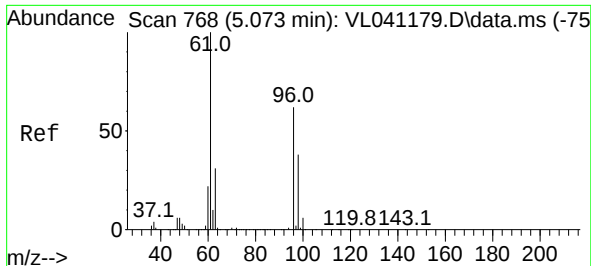
Ion Ratio Lower Upper

84 100

56 143.9 116.8 175.2

41 92.9 73.8 110.8





#31

cis-1,2-Dichloroethene

Concen: 14.353 ppbv

RT: 5.076 min Scan# 7

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

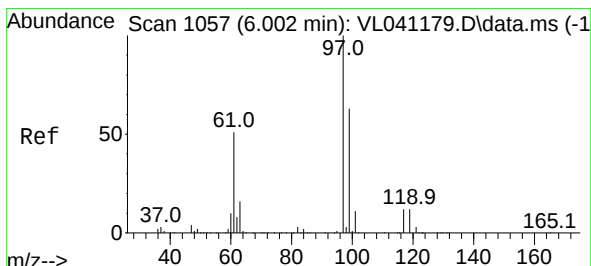
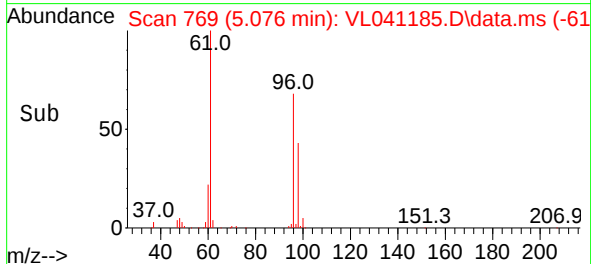
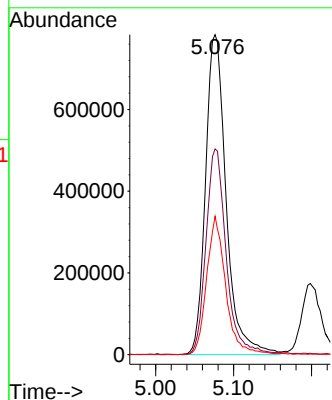
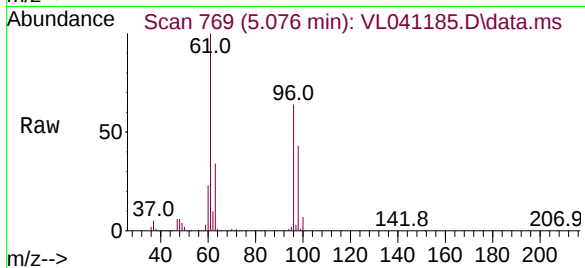
Tgt Ion: 61 Resp: 1439577

Ion Ratio Lower Upper

61 100

96 64.3 49.8 74.6

98 43.2 30.0 45.0



#32

1,1,1-Trichloroethane

Concen: 14.146 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

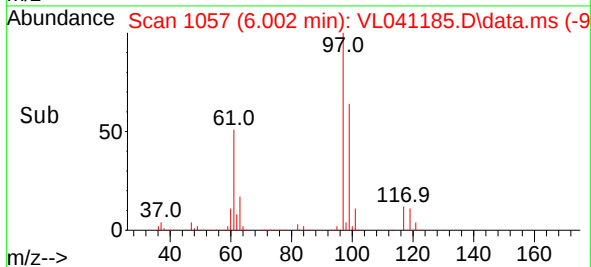
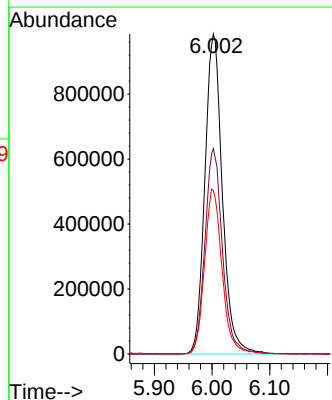
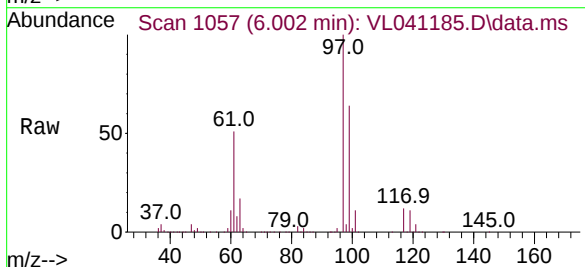
Tgt Ion: 97 Resp: 2075136

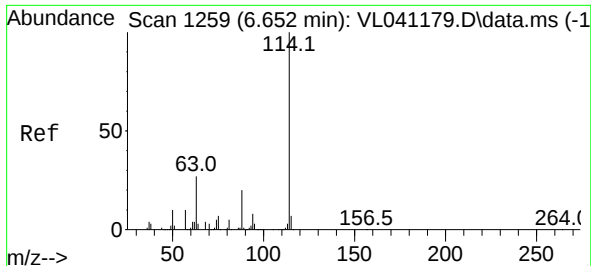
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 51.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

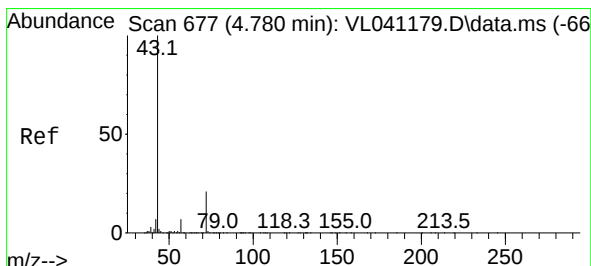
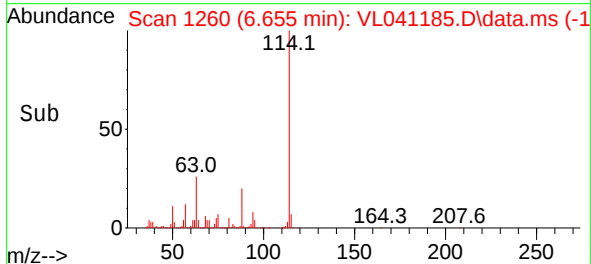
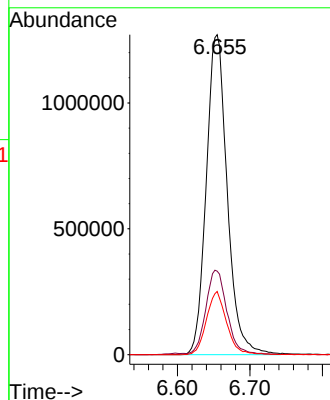
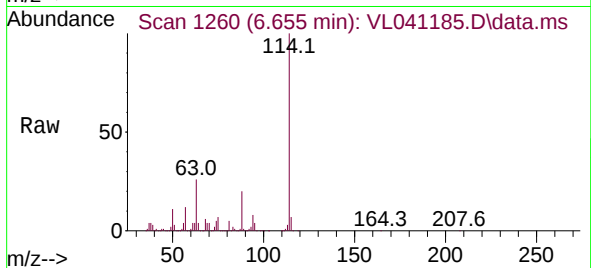
Tgt Ion:114 Resp: 2553423

Ion Ratio Lower Upper

114 100

63 27.3 21.8 32.6

88 19.0 15.2 22.8



#34

2-Butanone

Concen: 15.694 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL041185.D

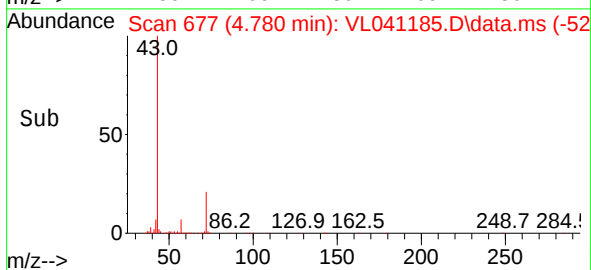
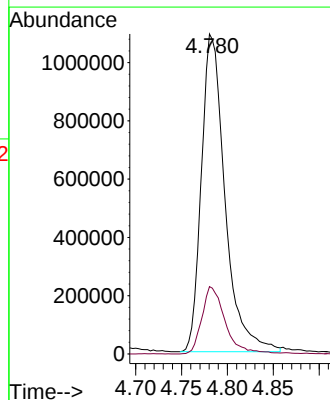
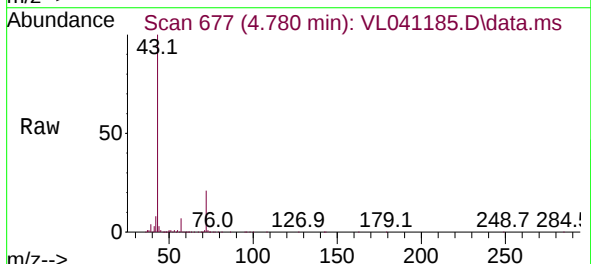
Acq: 29 Apr 2024 15:27

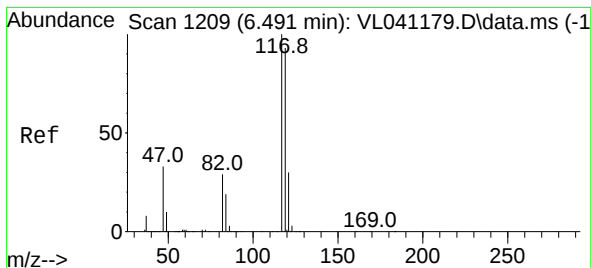
Tgt Ion: 43 Resp: 1960728

Ion Ratio Lower Upper

43 100

72 21.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 14.315 ppbv

RT: 6.491 min Scan# 117

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

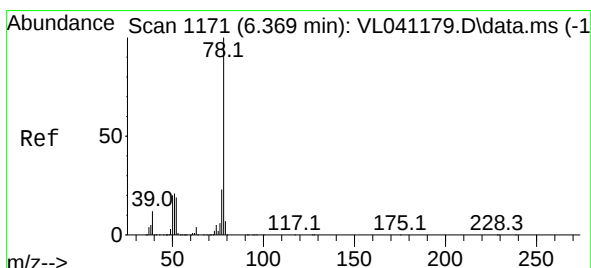
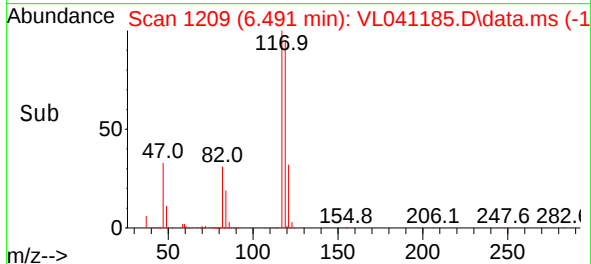
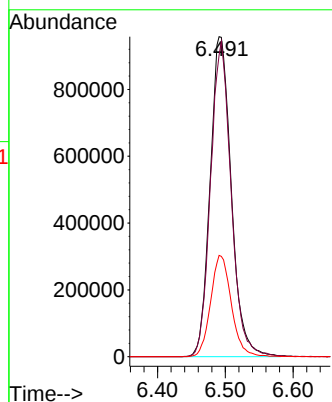
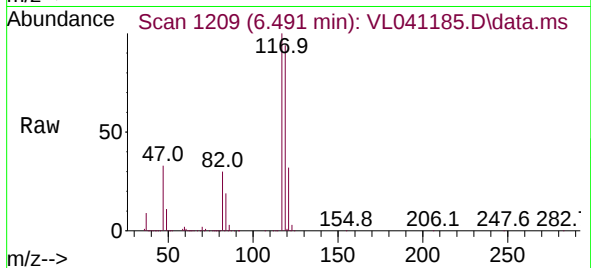
Tgt Ion:117 Resp: 2074346

Ion Ratio Lower Upper

117 100

119 94.2 74.3 111.5

121 31.7 23.8 35.8



#36

Benzene

Concen: 13.771 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

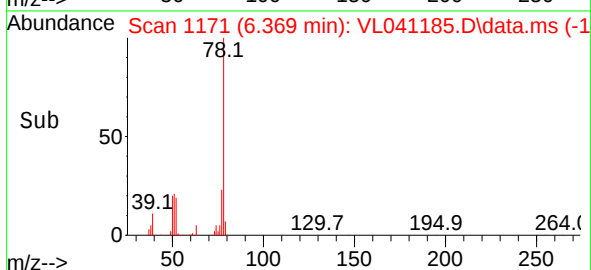
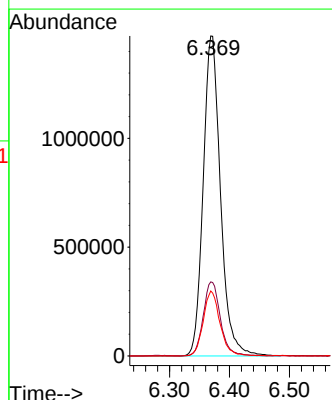
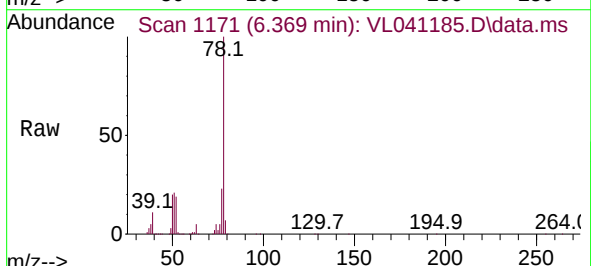
Tgt Ion: 78 Resp: 2958417

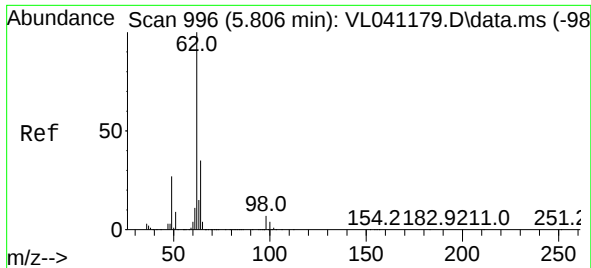
Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5

50 20.3 15.9 23.9

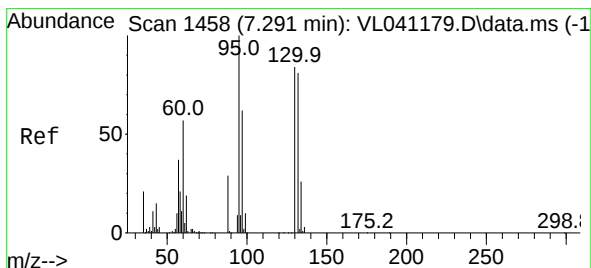
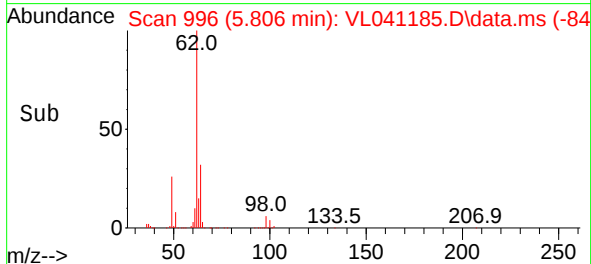
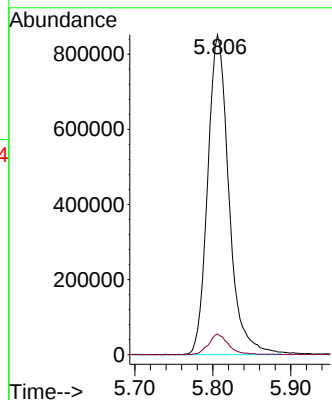
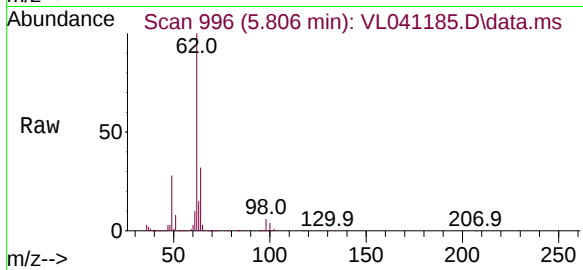




#37
1,2-Dichloroethane
Concen: 14.348 ppbv
RT: 5.806 min Scan# 996
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

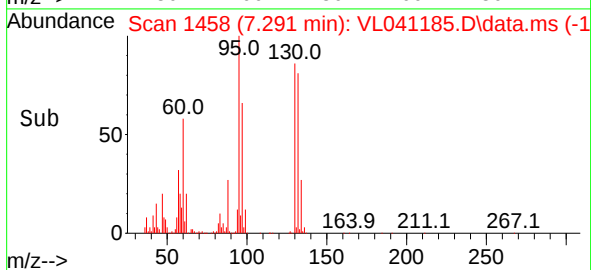
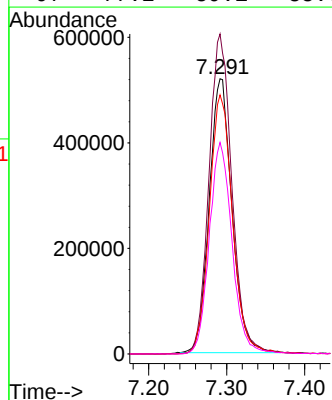
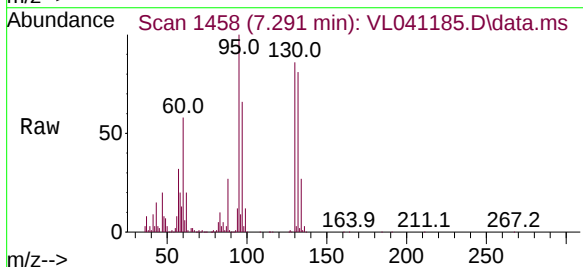
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

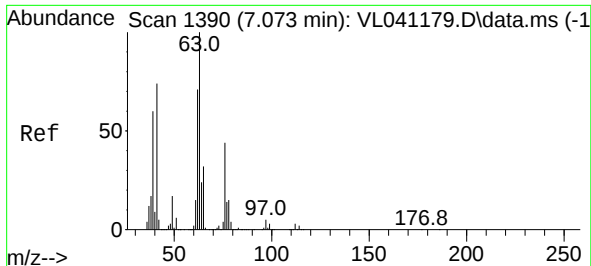
Tgt Ion: 62 Resp: 1612555
Ion Ratio Lower Upper
62 100
98 6.2 5.0 7.4



#38
Trichloroethene
Concen: 12.985 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion:130 Resp: 1053069
Ion Ratio Lower Upper
130 100
95 116.6 95.0 142.6
132 94.5 77.0 115.4
97 77.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 14.091 ppbv

RT: 7.073 min Scan# 1455

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

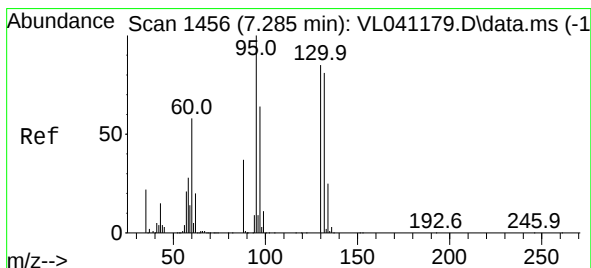
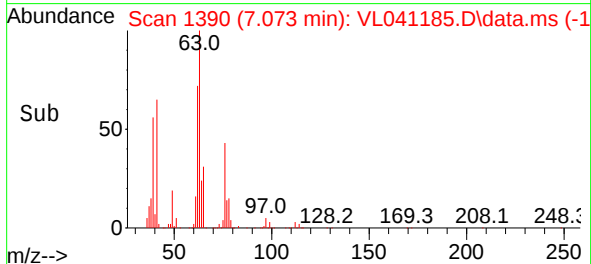
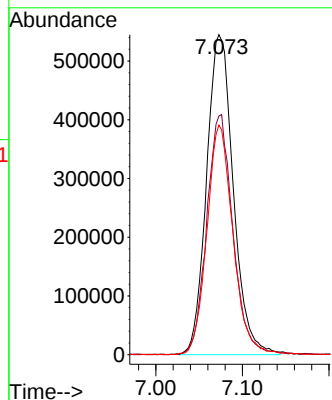
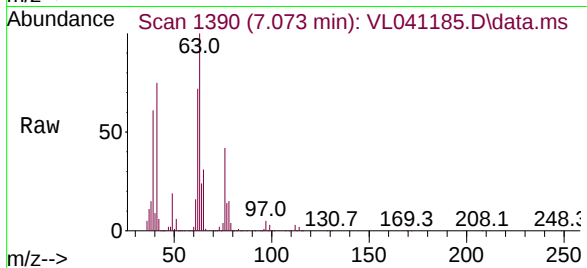
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1169402

Ion	Ratio	Lower	Upper
63	100		
41	74.4	59.4	89.0
62	71.3	56.8	85.2



#40

1,4-Dioxane

Concen: 13.926 ppbv

RT: 7.282 min Scan# 1455

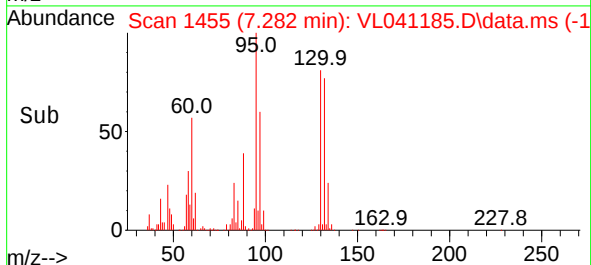
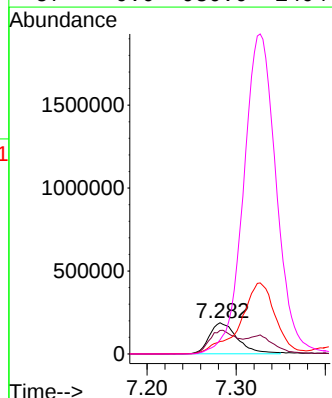
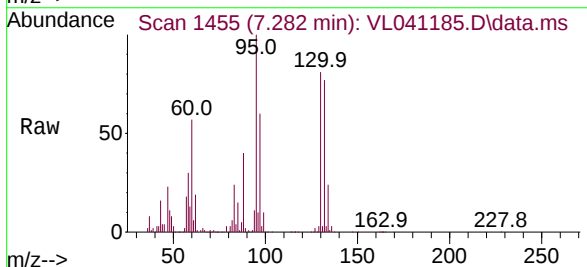
Delta R.T. -0.003 min

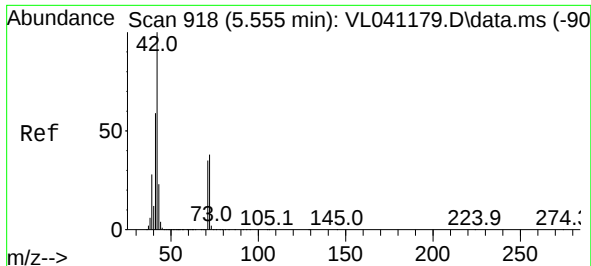
Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Tgt Ion: 88 Resp: 412697

Ion	Ratio	Lower	Upper
88	100		
58	78.4	106.1	159.1#
43	0.0	219.8	329.6#
57	0.0	936.0	1404.0#





#41

Tetrahydrofuran

Concen: 14.487 ppbv

RT: 5.552 min Scan# 918

Delta R.T. -0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

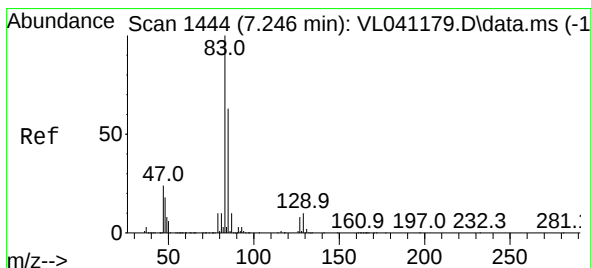
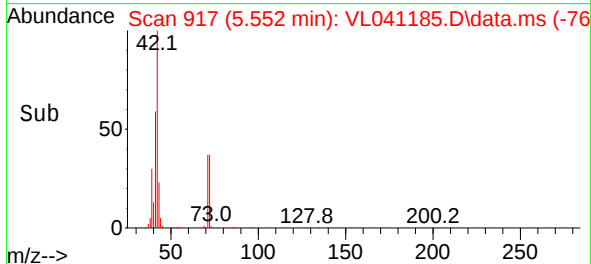
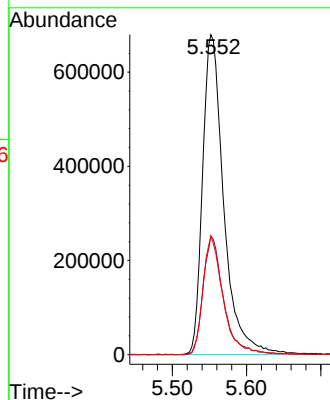
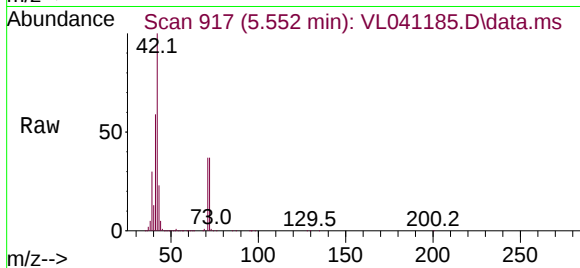
Tgt Ion: 42 Resp: 1338175

Ion Ratio Lower Upper

42 100

72 36.2 29.4 44.0

71 35.8 29.1 43.7



#42

Bromodichloromethane

Concen: 14.216 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

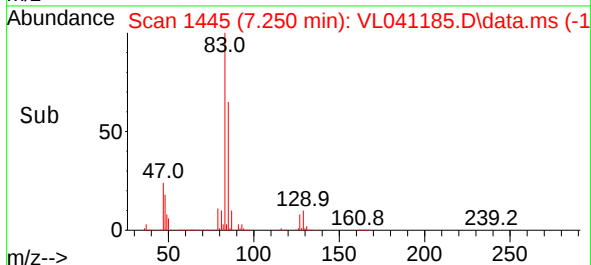
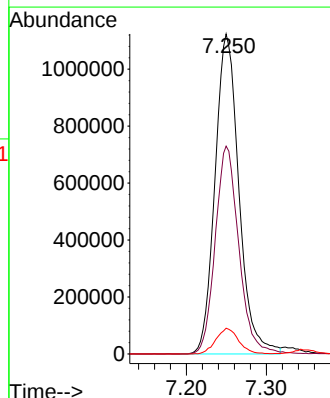
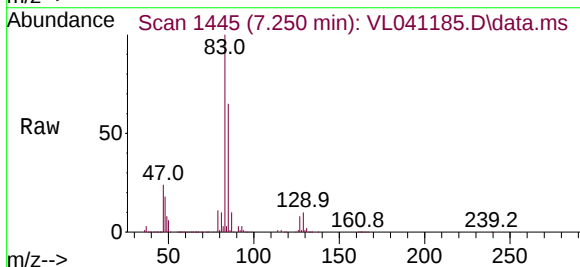
Tgt Ion: 83 Resp: 2332776

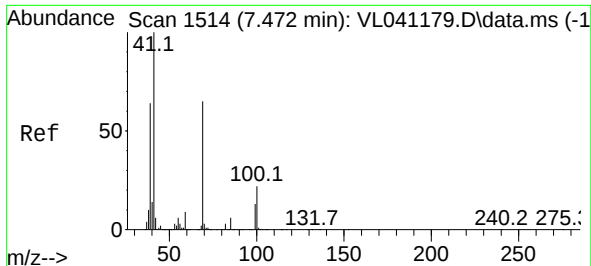
Ion Ratio Lower Upper

83 100

85 64.9 50.6 75.8

127 8.0 6.2 9.4





#43

Methyl Methacrylate

Concen: 13.912 ppbv

RT: 7.471 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

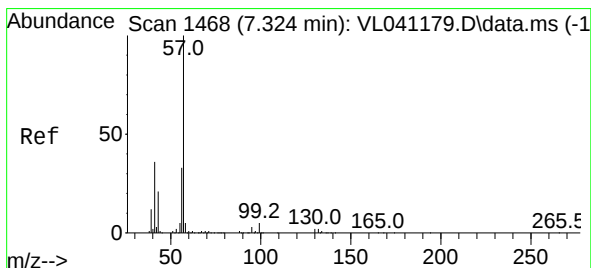
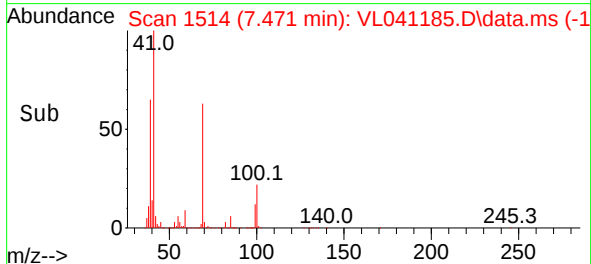
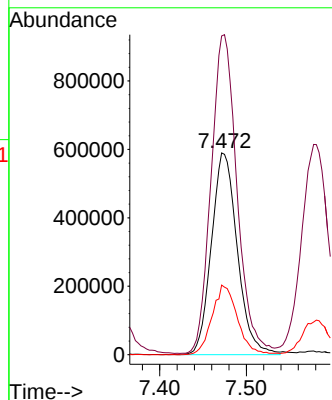
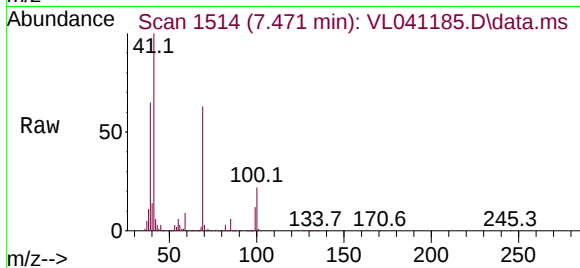
Tgt Ion: 69 Resp: 1226266

Ion Ratio Lower Upper

69 100

41 159.7 125.2 187.8

100 33.7 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 13.262 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

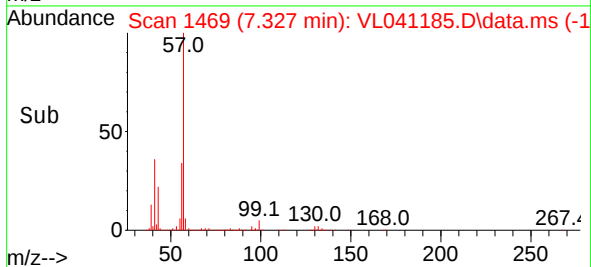
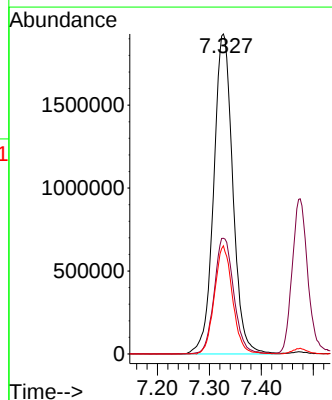
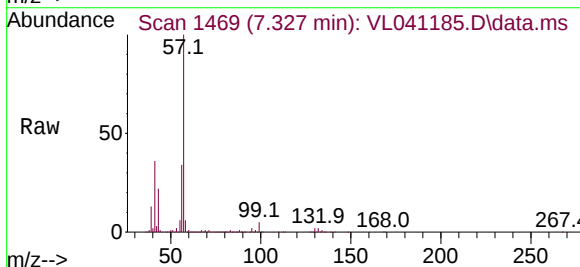
Tgt Ion: 57 Resp: 4931627

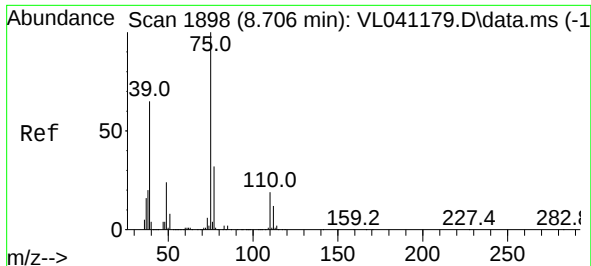
Ion Ratio Lower Upper

57 100

41 36.8 29.5 44.3

56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 15.321 ppbv

RT: 8.709 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

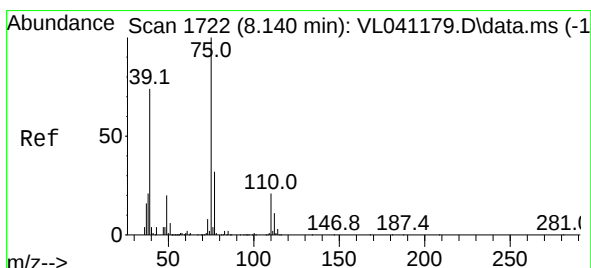
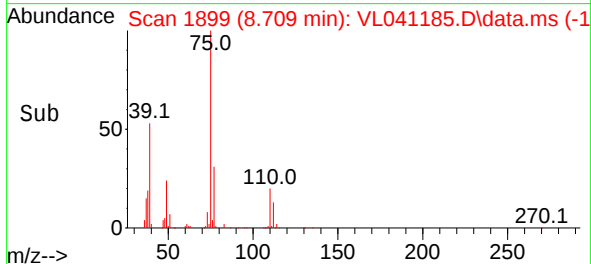
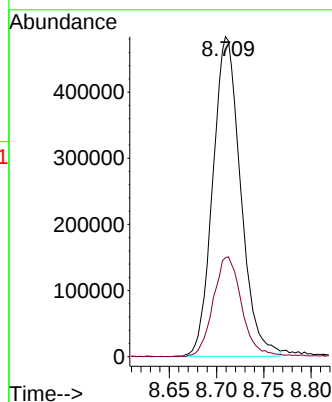
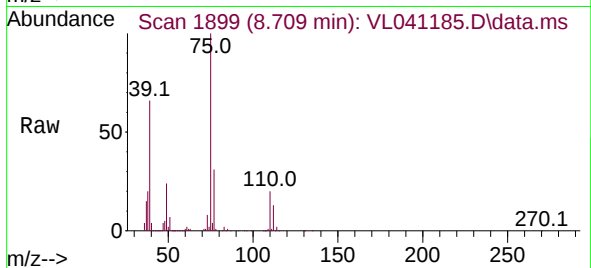
VSTDIC015

Tgt Ion: 75 Resp: 988714

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 14.519 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

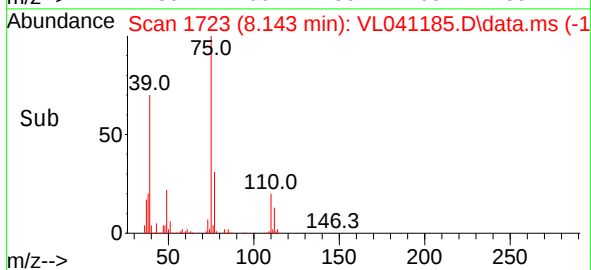
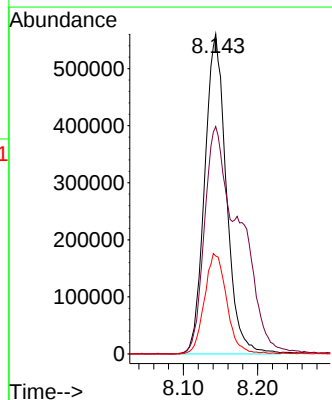
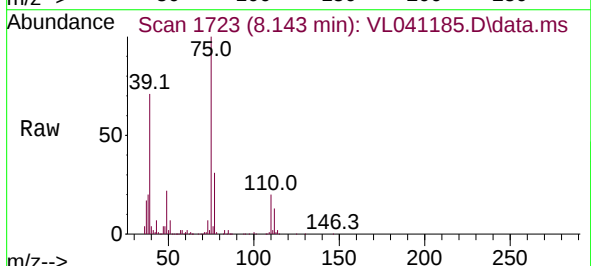
Tgt Ion: 75 Resp: 1134308

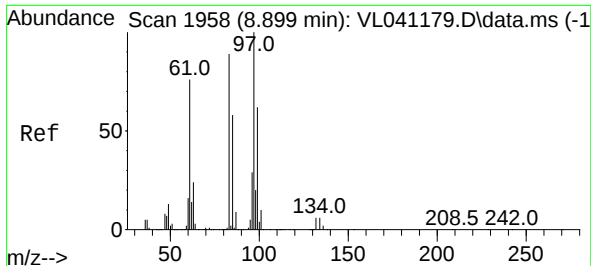
Ion Ratio Lower Upper

75 100

39 70.8 59.4 89.2

77 30.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 14.063 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1162168

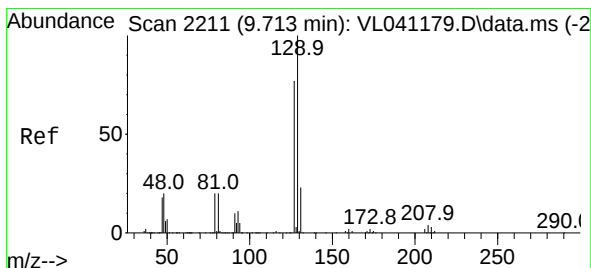
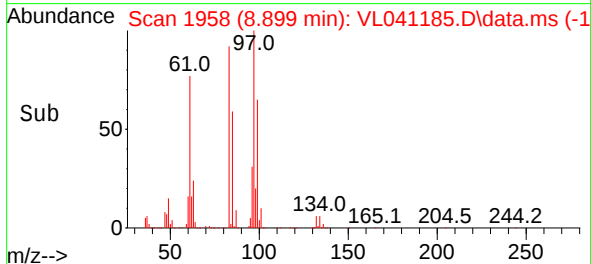
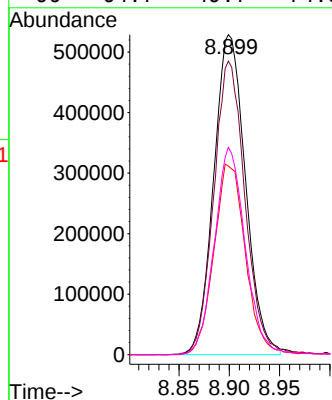
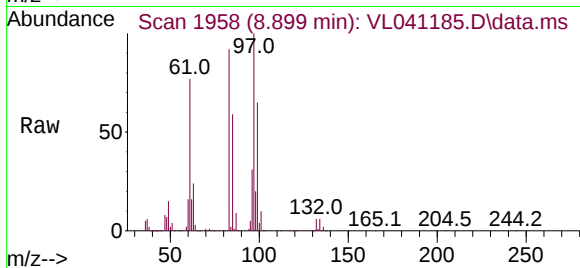
Ion Ratio Lower Upper

97 100

83 91.5 71.2 106.8

85 58.8 46.0 69.0

99 64.7 49.7 74.5



#48

Dibromochloromethane

Concen: 14.421 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VL041185.D

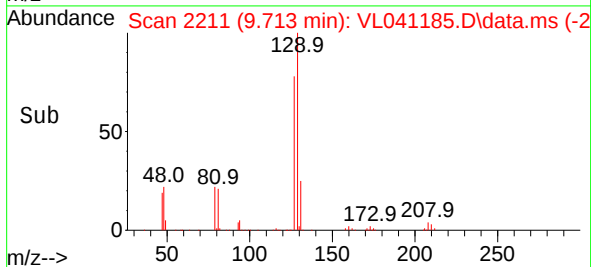
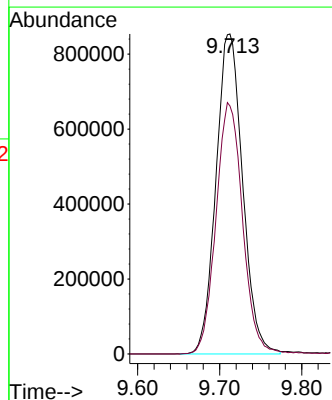
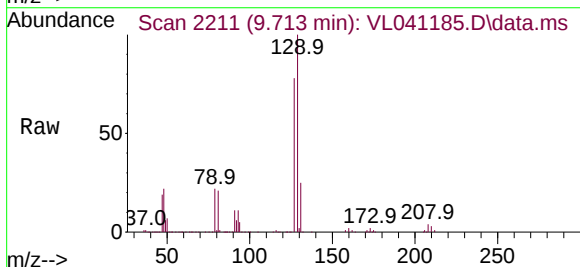
Acq: 29 Apr 2024 15:27

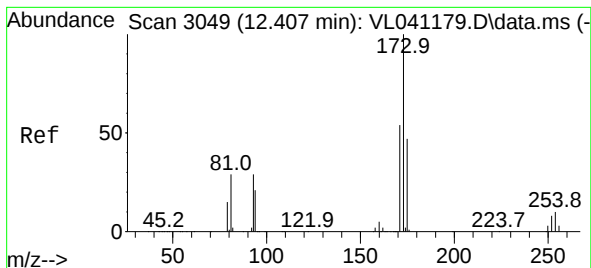
Tgt Ion: 129 Resp: 1927348

Ion Ratio Lower Upper

129 100

127 78.5 39.1 117.5





#49

Bromoform

Concen: 14.623 ppbv

RT: 12.410 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

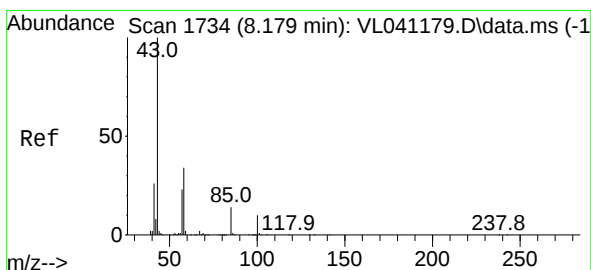
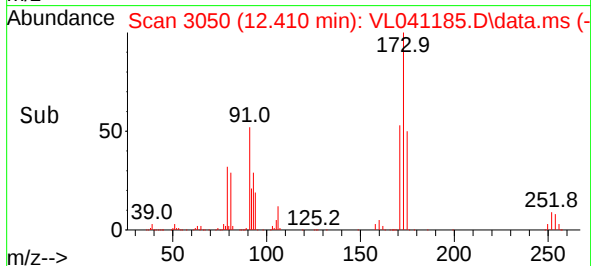
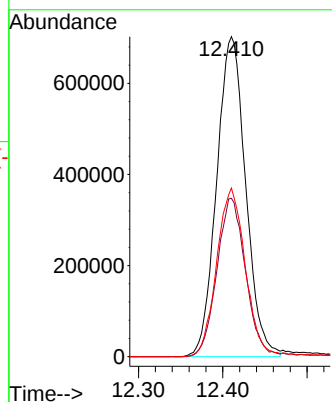
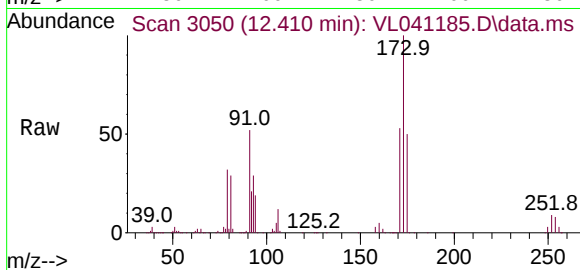
Tgt Ion:173 Resp: 1678152

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

171 53.0 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 13.348 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VL041185.D

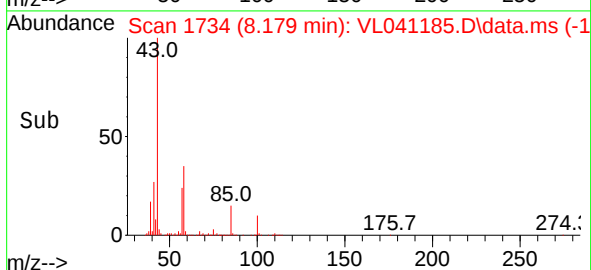
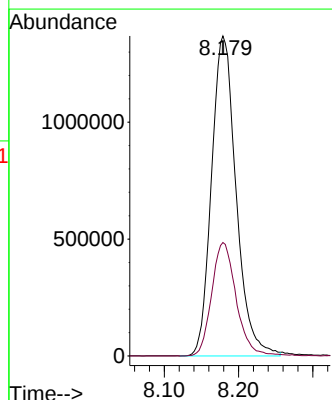
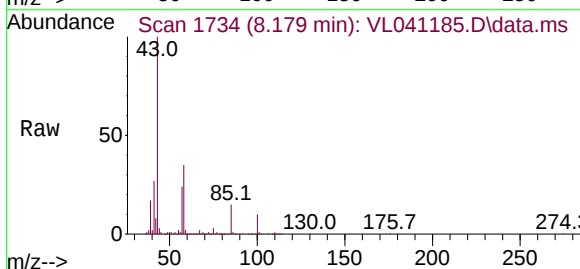
Acq: 29 Apr 2024 15:27

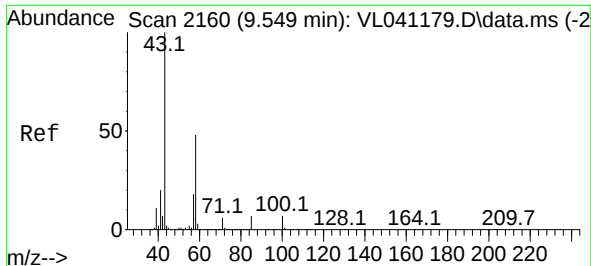
Tgt Ion: 43 Resp: 3147885

Ion Ratio Lower Upper

43 100

58 35.5 27.7 41.5

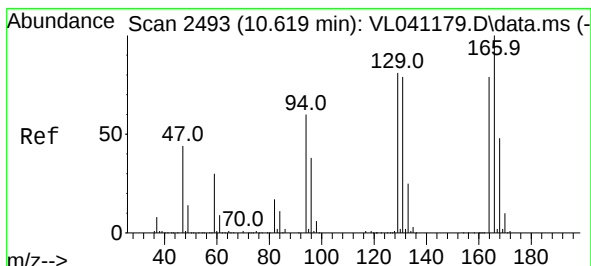
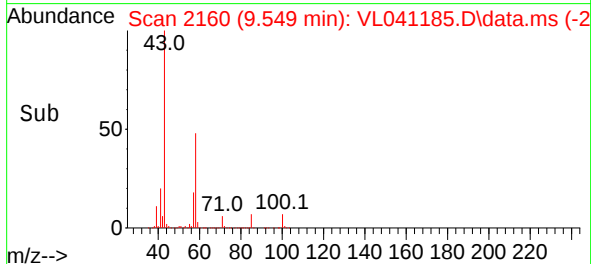
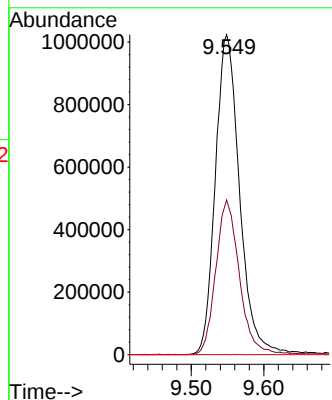
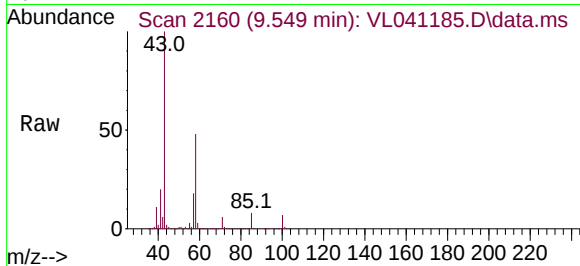




#51
2-Hexanone
Concen: 13.749 ppbv
RT: 9.549 min Scan# 2160
Delta R.T. -0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

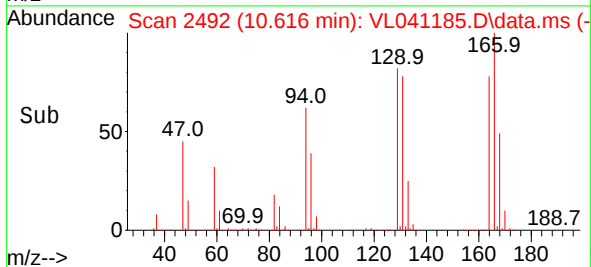
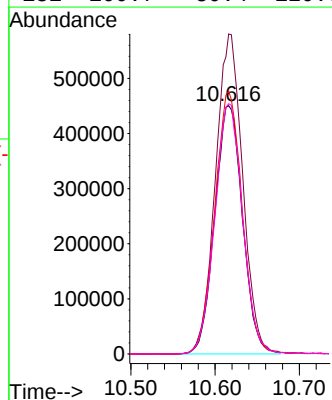
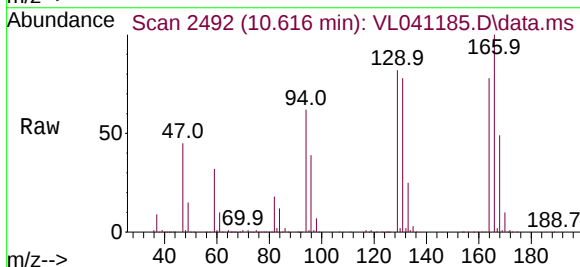
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

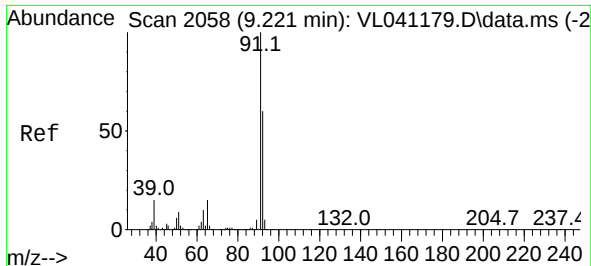
Tgt Ion: 43 Resp: 2360799
Ion Ratio Lower Upper
43 100
58 47.8 38.4 57.6
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 13.600 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion:164 Resp: 1029321
Ion Ratio Lower Upper
164 100
166 128.8 101.1 151.7
129 105.8 81.7 122.5
131 100.7 80.4 120.6





#53

Toluene

Concen: 13.612 ppbv

RT: 9.221 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

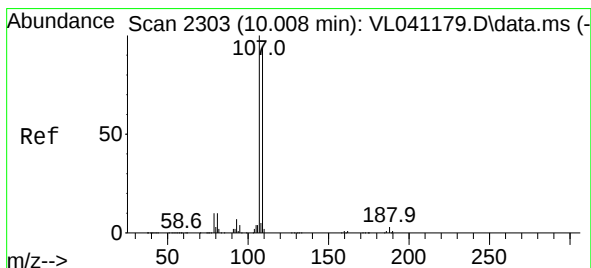
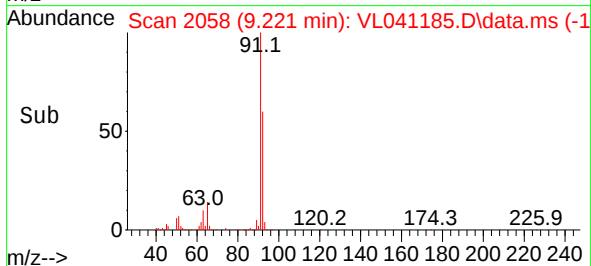
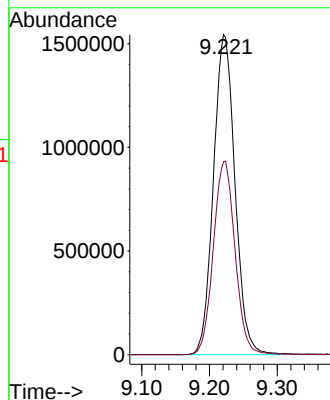
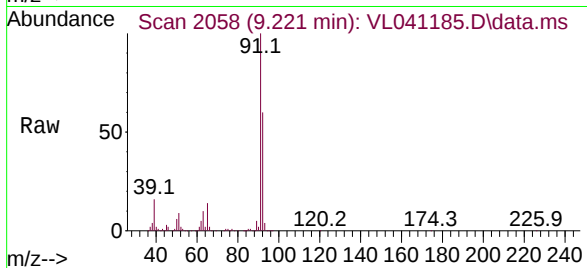
VSTDIC015

Tgt Ion: 91 Resp: 3409218

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.4



#54

1,2-Dibromoethane

Concen: 14.433 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VL041185.D

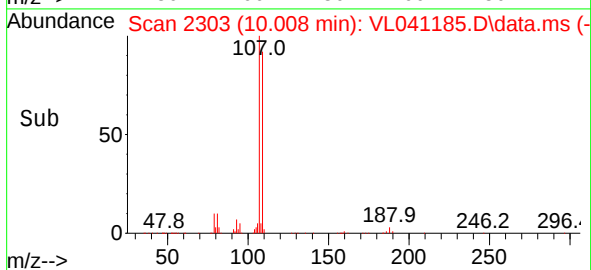
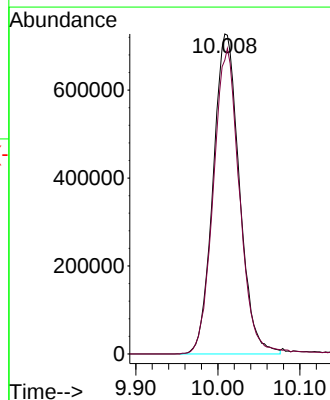
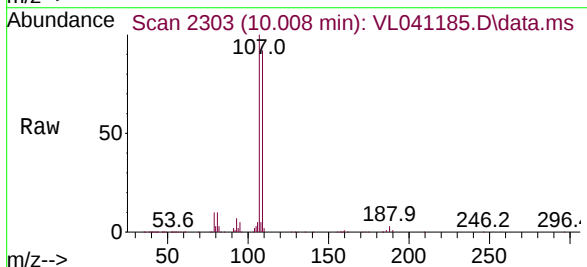
Acq: 29 Apr 2024 15:27

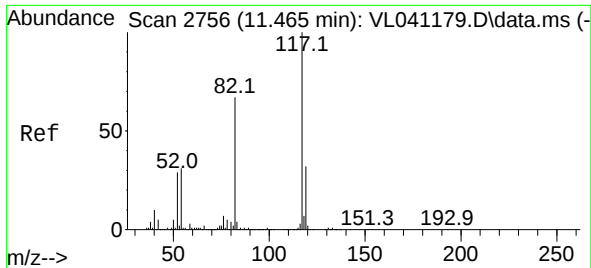
Tgt Ion:107 Resp: 1620882

Ion Ratio Lower Upper

107 100

109 91.8 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

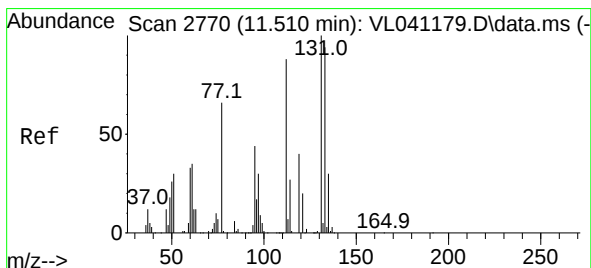
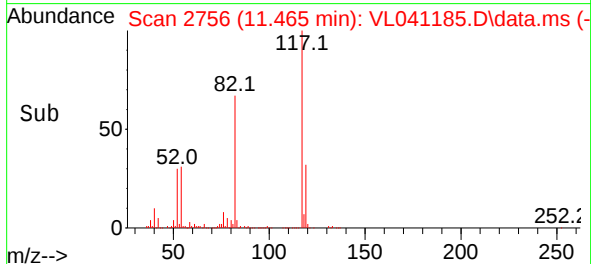
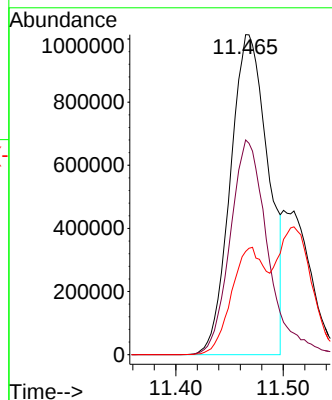
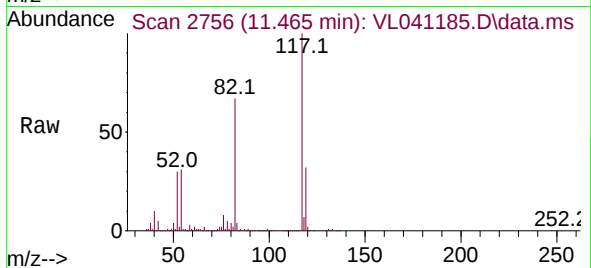
Tgt Ion:117 Resp: 2479299

Ion Ratio Lower Upper

117 100

82 67.7 53.6 80.4

119 32.6 27.2 40.8



#56

1,1,1,2-Tetrachloroethane

Concen: 13.395 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

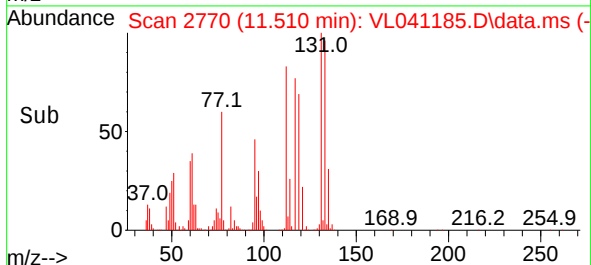
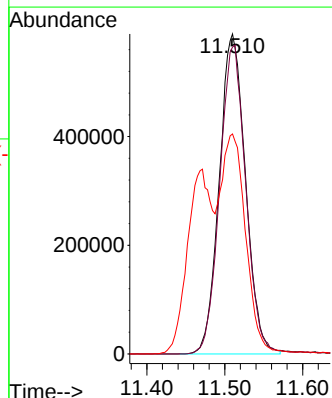
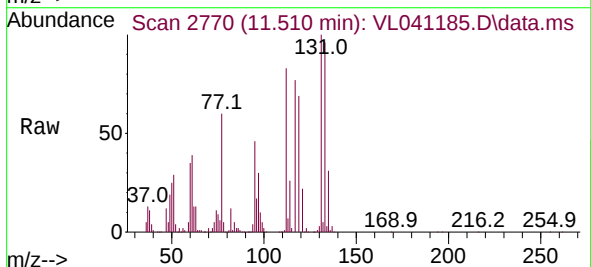
Tgt Ion:131 Resp: 1375093

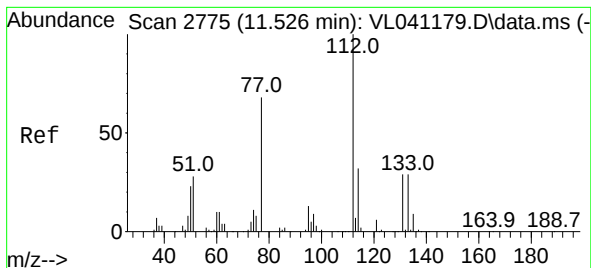
Ion Ratio Lower Upper

131 100

133 96.8 76.3 114.5

119 63.6 49.4 74.2

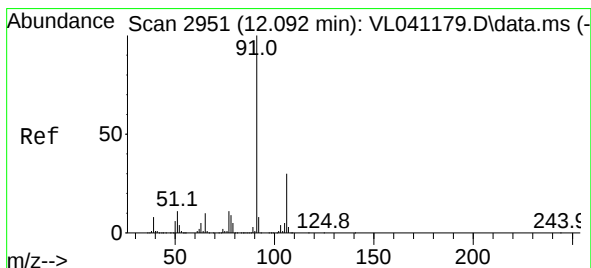
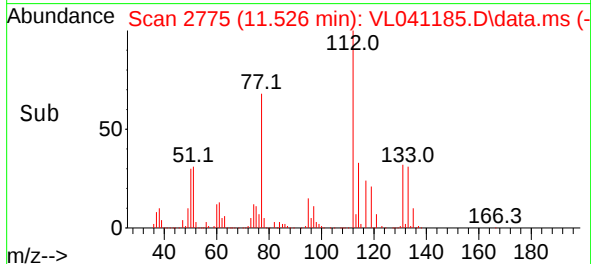
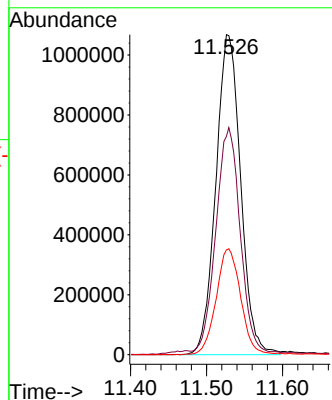
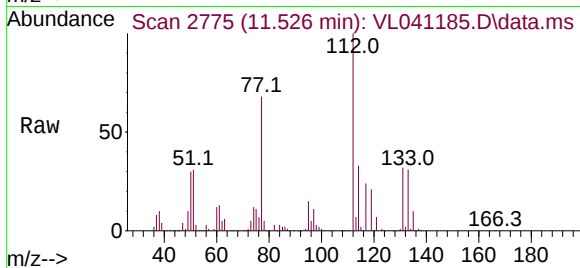




#57
Chlorobenzene
Concen: 13.360 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

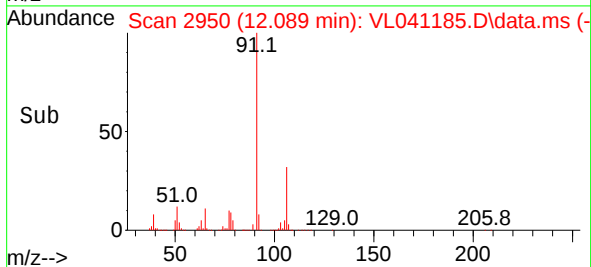
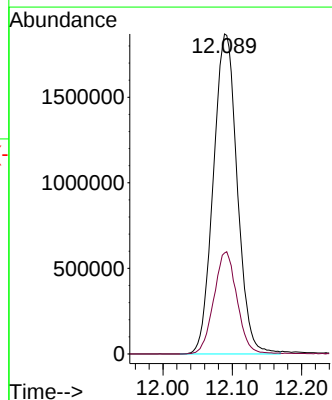
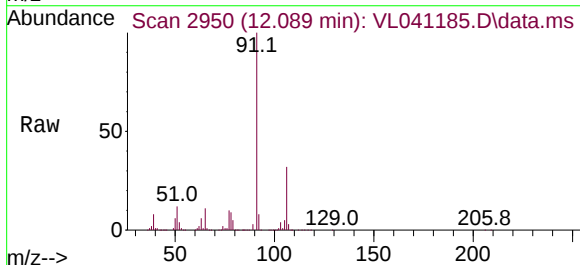
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

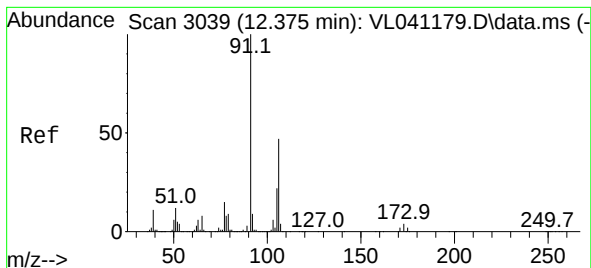
Tgt Ion:112 Resp: 2422510
Ion Ratio Lower Upper
112 100
77 67.6 54.9 82.3
114 32.7 28.7 35.1



#58
Ethyl Benzene
Concen: 13.102 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion: 91 Resp: 4474063
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5





#59

m/p-Xylene

Concen: 12.878 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

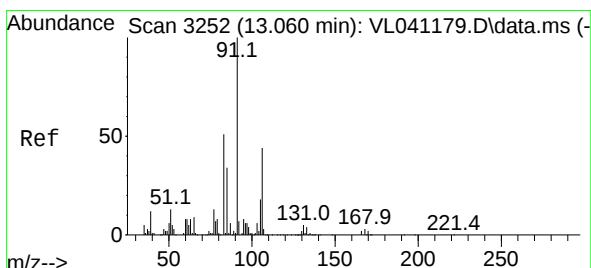
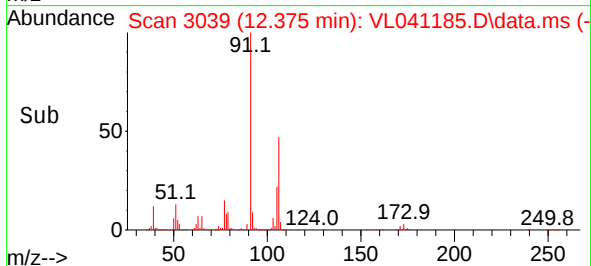
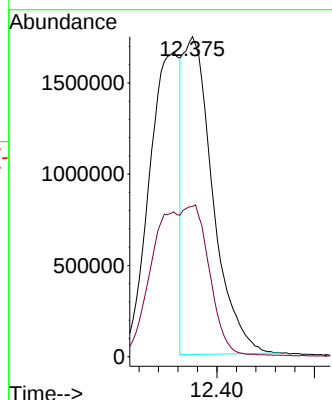
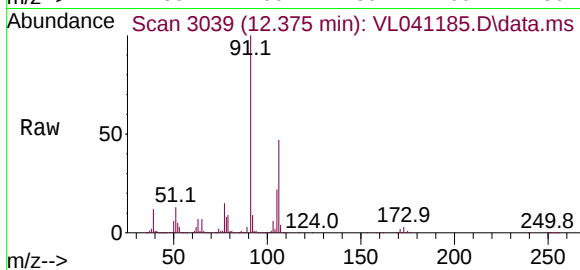
VSTDIC015

Tgt Ion: 91 Resp: 3691318

Ion Ratio Lower Upper

91 100

106 90.1 35.7 53.5#



#60

o-Xylene

Concen: 12.934 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.000 min

Lab File: VL041185.D

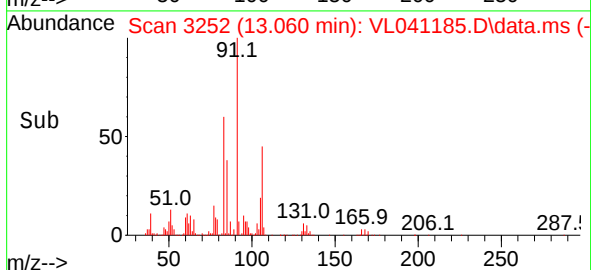
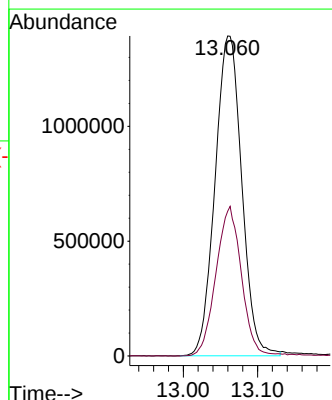
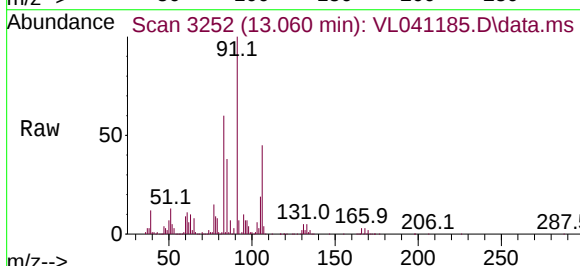
Acq: 29 Apr 2024 15:27

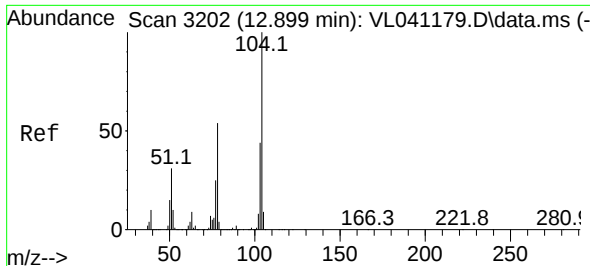
Tgt Ion: 91 Resp: 3480523

Ion Ratio Lower Upper

91 100

106 45.3 22.4 67.3

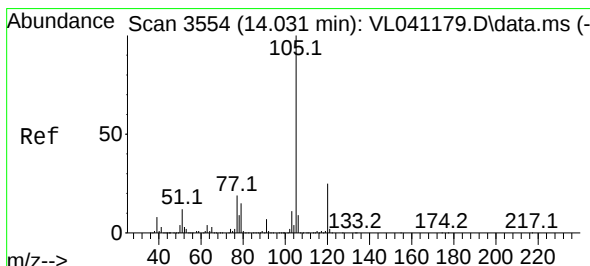
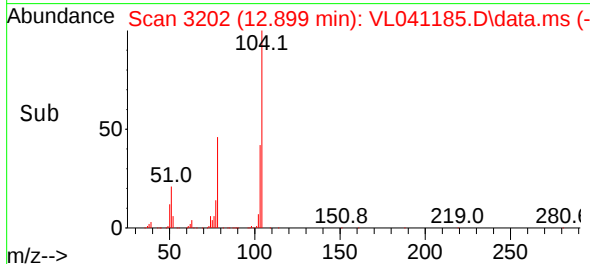
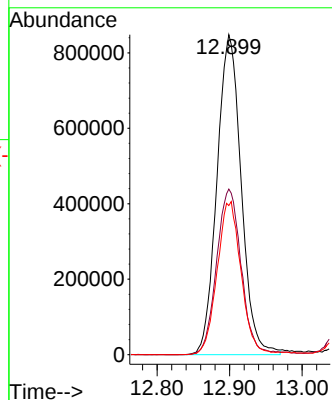
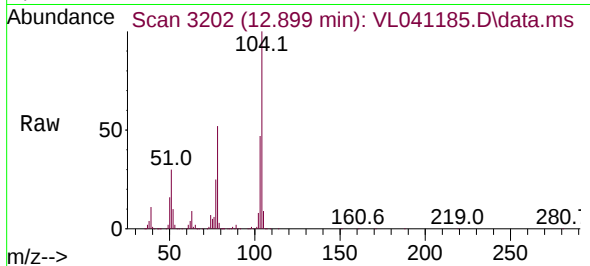




#61
Styrene
Concen: 14.026 ppbv
RT: 12.899 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

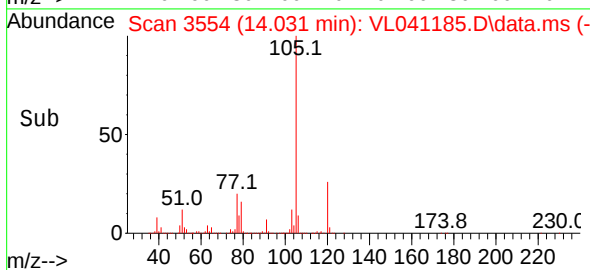
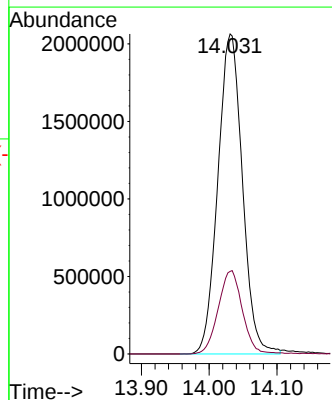
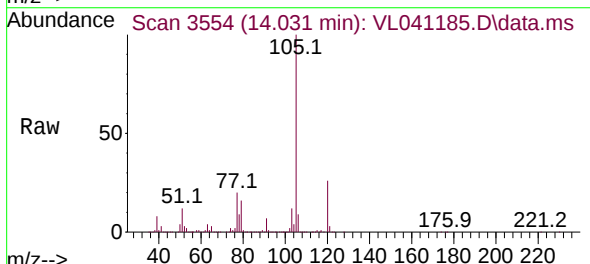
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

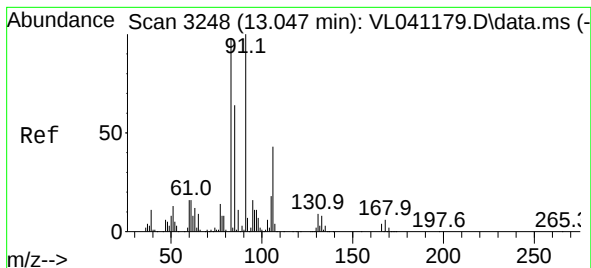
Tgt Ion:104 Resp: 1970709
Ion Ratio Lower Upper
104 100
78 52.8 42.6 63.8
103 48.0 38.4 57.6



#62
Isopropylbenzene
Concen: 12.831 ppbv
RT: 14.031 min Scan# 3554
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion:105 Resp: 5187149
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.2

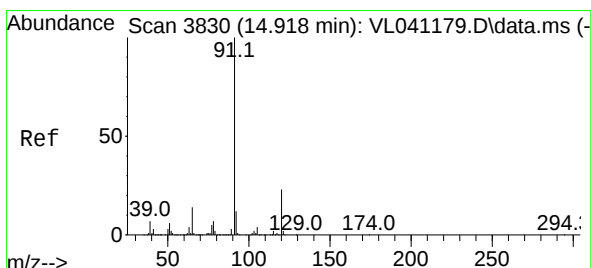
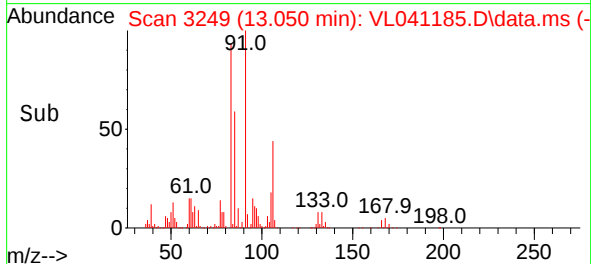
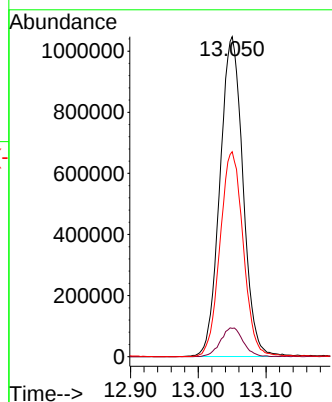
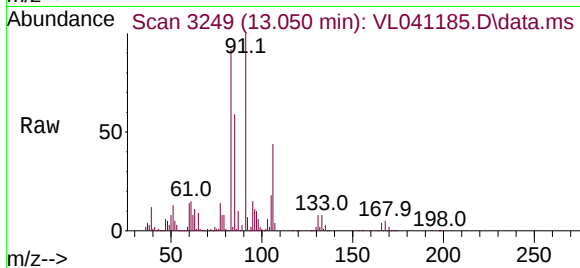




#63
1,1,2,2-Tetrachloroethane
Concen: 13.531 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

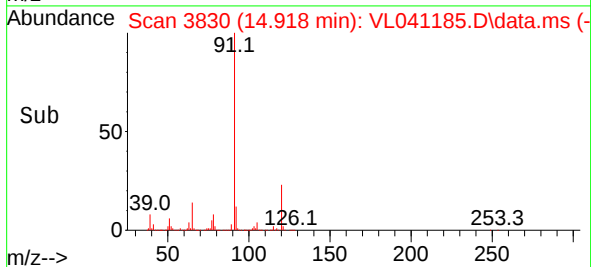
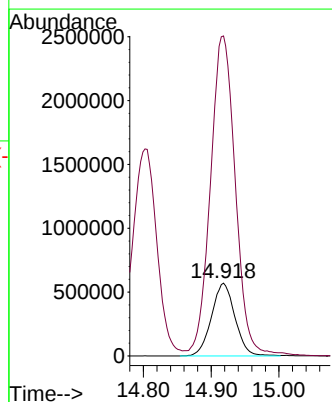
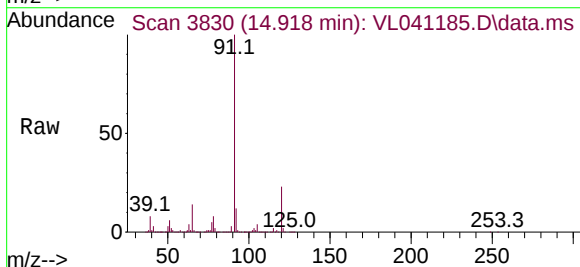
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

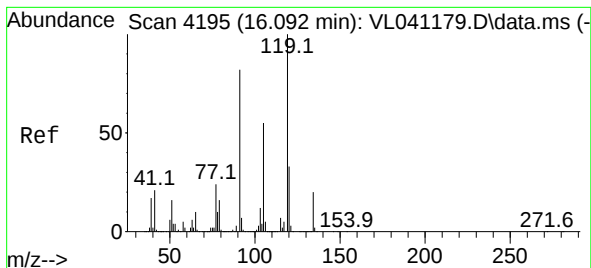
Tgt Ion: 83 Resp: 2473186
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 65.3 32.7 98.1



#64
n-propylbenzene
Concen: 13.533 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. -0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion:120 Resp: 1370922
Ion Ratio Lower Upper
120 100
91 467.8 384.8 577.2





#65

tert-Butylbenzene

Concen: 12.567 ppbv

RT: 16.095 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

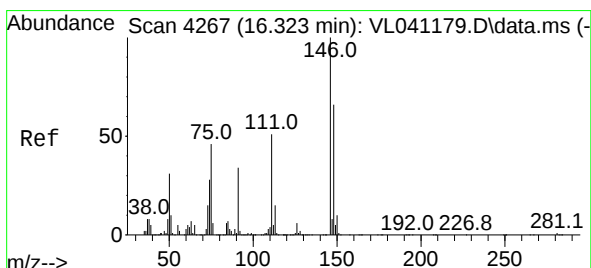
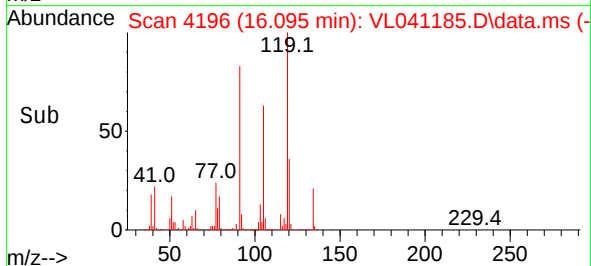
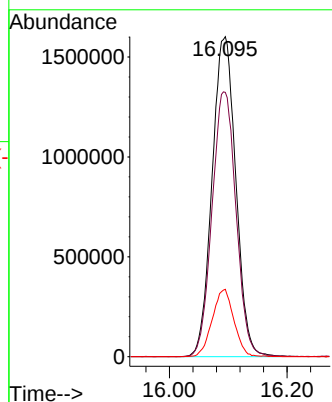
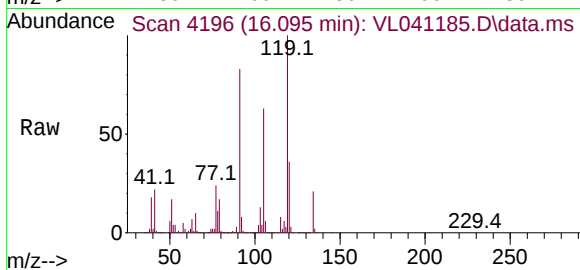
Tgt Ion:119 Resp: 4489831

Ion Ratio Lower Upper

119 100

91 83.6 67.0 100.4

134 19.3 15.2 22.8



#66

Benzyl Chloride

Concen: 14.130 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

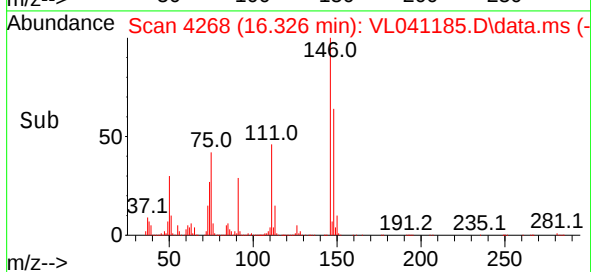
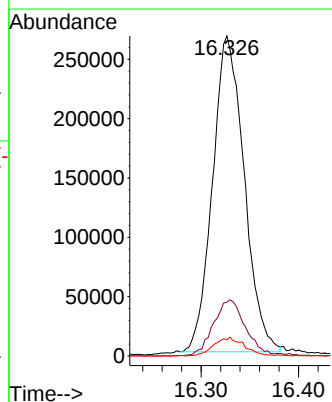
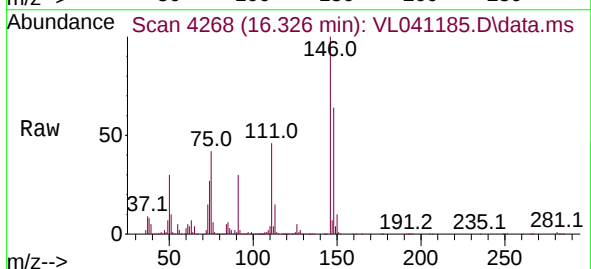
Tgt Ion: 91 Resp: 600830

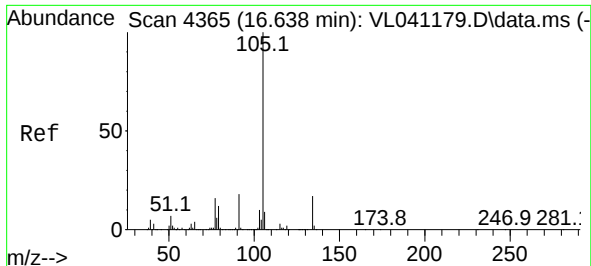
Ion Ratio Lower Upper

91 100

126 18.4 14.6 21.8

128 5.8 4.7 7.1





#67

sec-Butylbenzene

Concen: 12.592 ppbv

RT: 16.638 min Scan# 4365

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

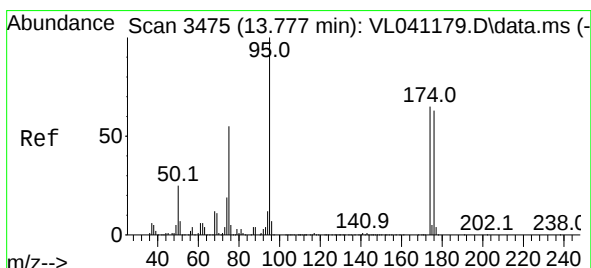
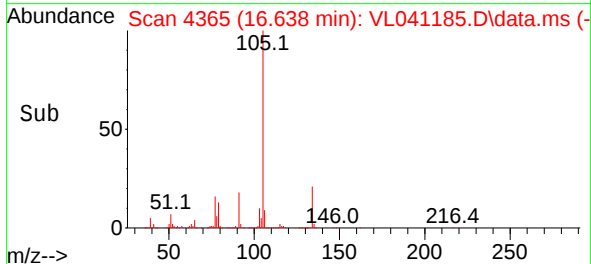
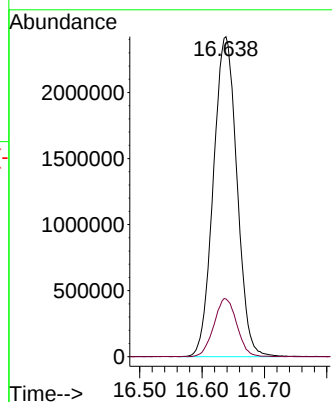
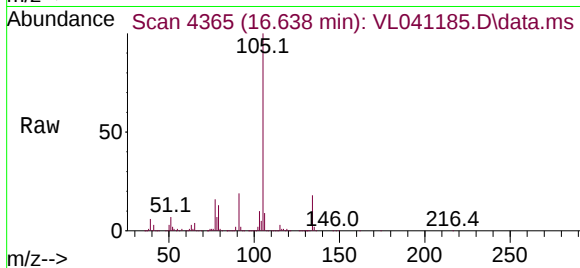
VSTDIC015

Tgt Ion:105 Resp: 6361995

Ion Ratio Lower Upper

105 100

134 17.6 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.933 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

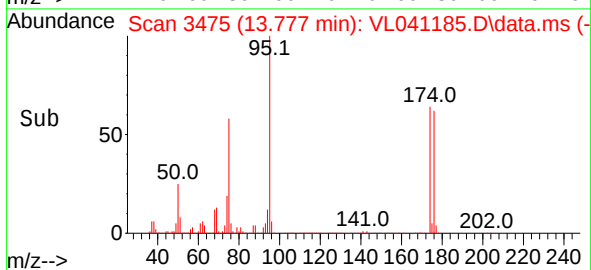
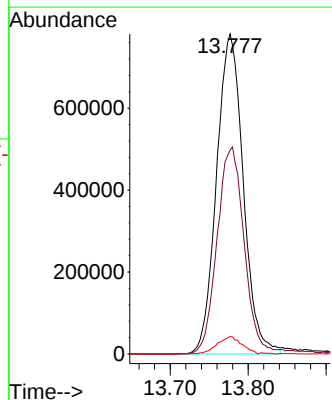
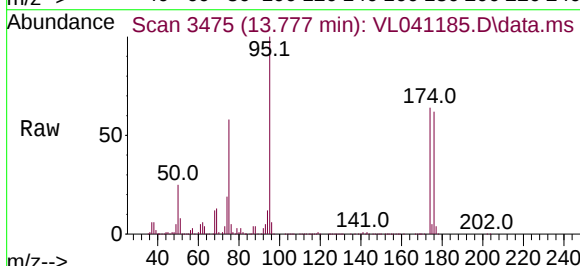
Tgt Ion: 95 Resp: 1859911

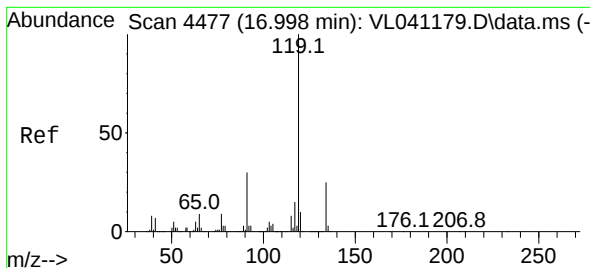
Ion Ratio Lower Upper

95 100

174 67.0 53.6 80.4

175 5.2 4.2 6.4





#69

p-Isopropyltoluene

Concen: 12.685 ppbv

RT: 16.995 min Scan# 4477

Delta R.T. -0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

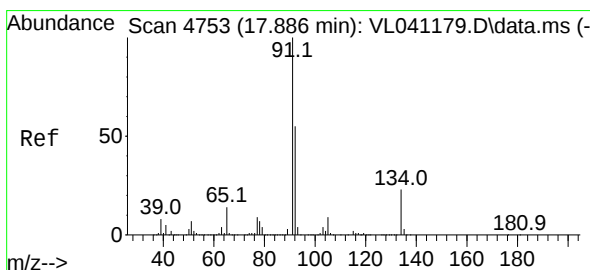
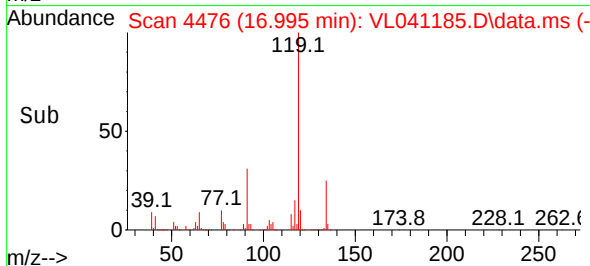
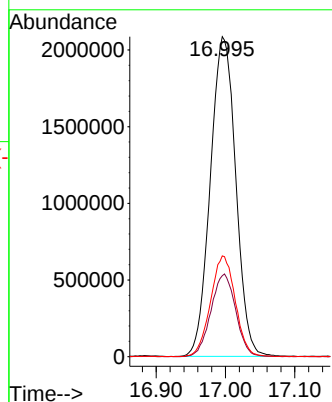
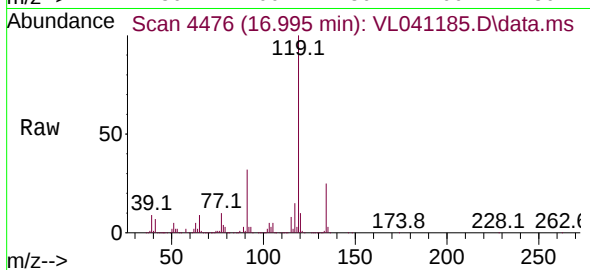
Tgt Ion:119 Resp: 5313366

Ion Ratio Lower Upper

119 100

134 25.2 20.1 30.1

91 30.8 24.2 36.2



#70

n-Butylbenzene

Concen: 12.863 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

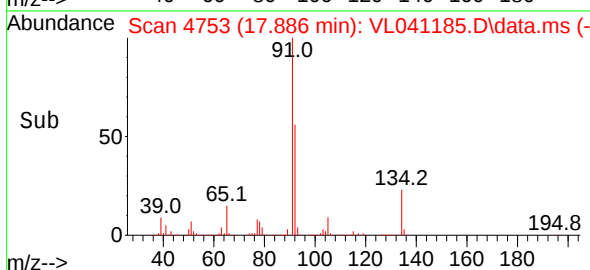
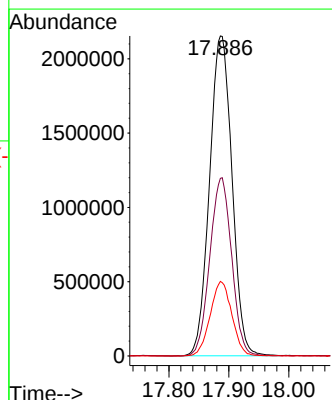
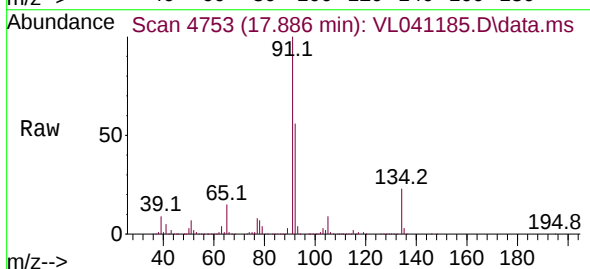
Tgt Ion: 91 Resp: 5597949

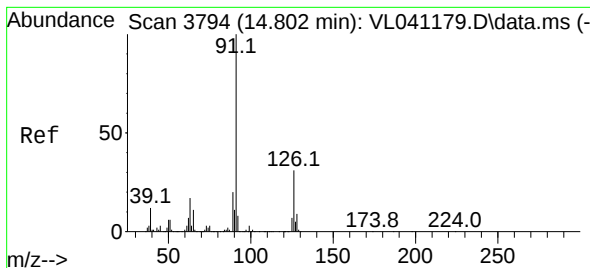
Ion Ratio Lower Upper

91 100

92 54.4 43.3 64.9

134 22.6 17.8 26.8

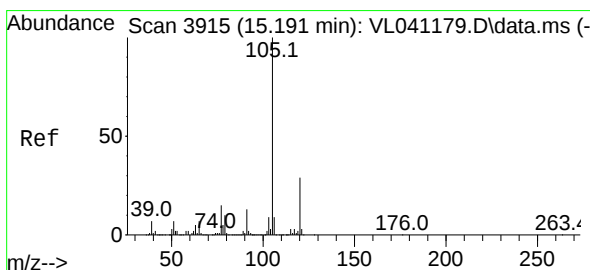
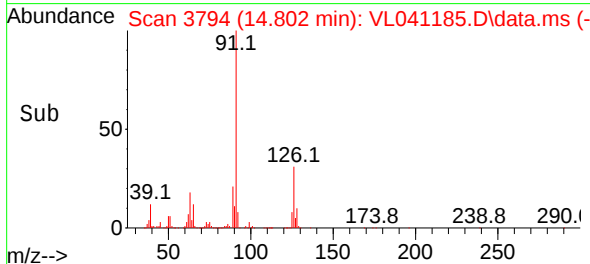
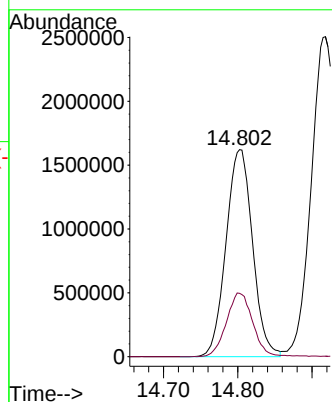
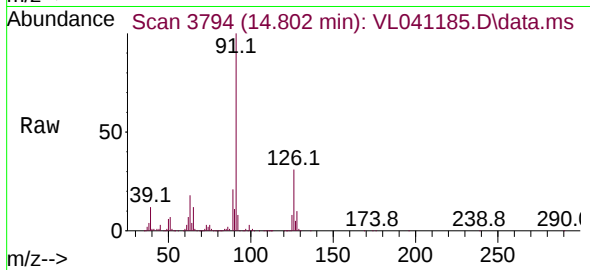




#71
2-Chlorotoluene
Concen: 13.043 ppbv
RT: 14.802 min Scan# 3794
Delta R.T. 0.000 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

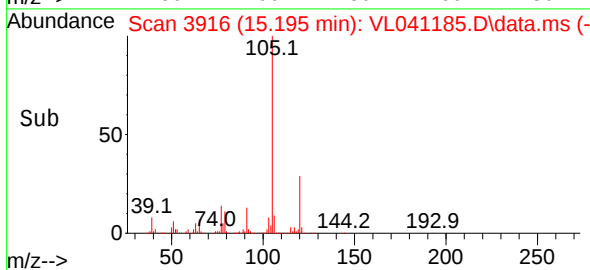
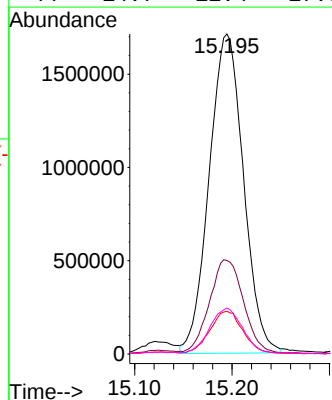
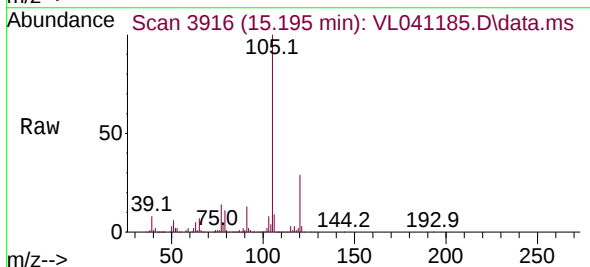
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

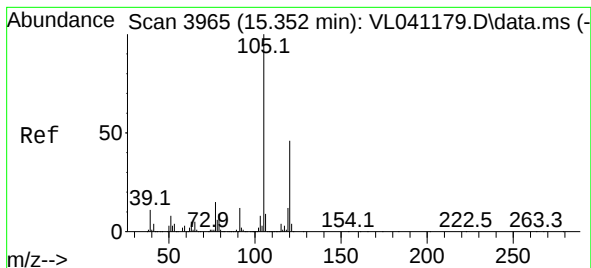
Tgt Ion: 91 Resp: 4028510
Ion Ratio Lower Upper
91 100
126 30.9 12.2 48.8



#72
4-Ethyltoluene
Concen: 13.636 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041185.D
Acq: 29 Apr 2024 15:27

Tgt Ion:105 Resp: 4185223
Ion Ratio Lower Upper
105 100
120 29.8 24.7 37.1
91 12.9 10.3 15.5
77 14.7 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 13.028 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

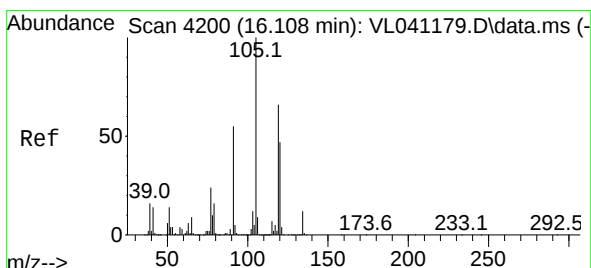
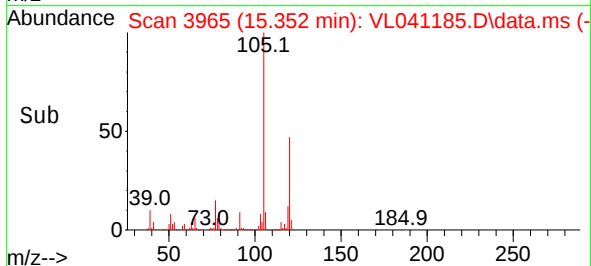
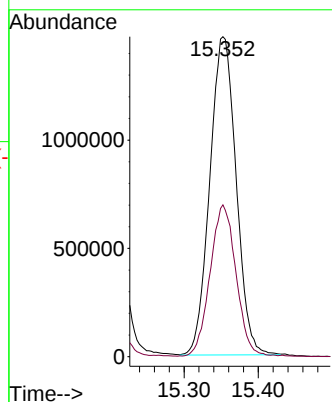
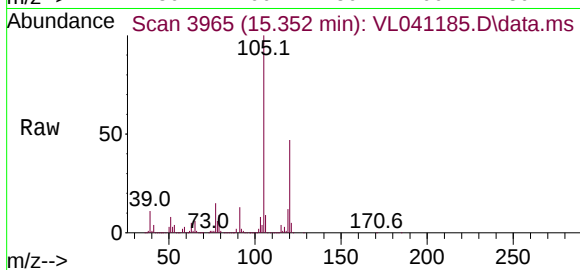
VSTDIC015

Tgt Ion:105 Resp: 3625525

Ion Ratio Lower Upper

105 100

120 47.5 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 12.918 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Tgt Ion:105 Resp: 3913118

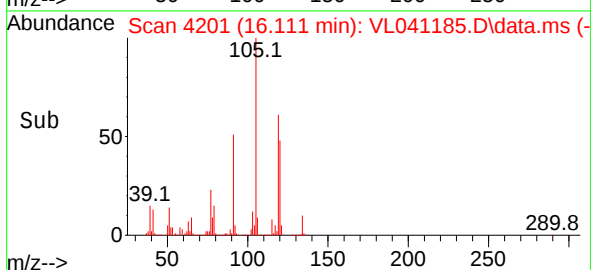
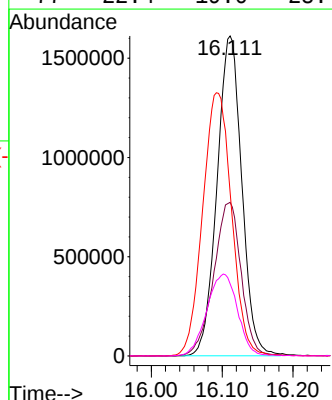
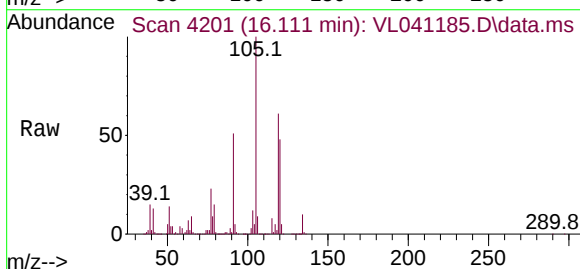
Ion Ratio Lower Upper

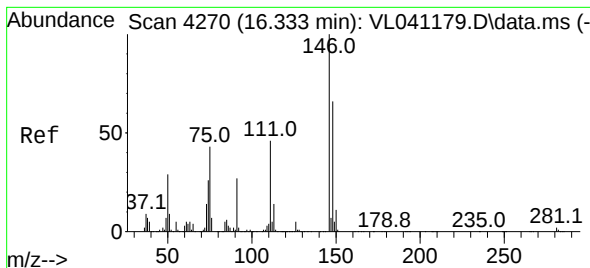
105 100

120 47.9 37.8 56.6

91 50.9 44.3 66.5

77 22.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 13.841 ppbv

RT: 16.333 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

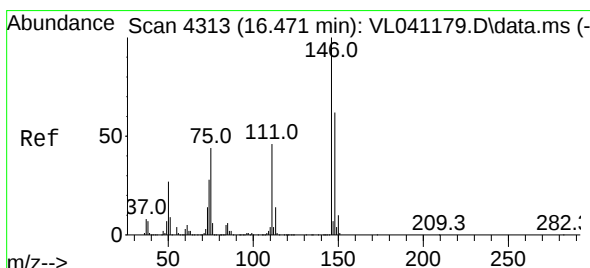
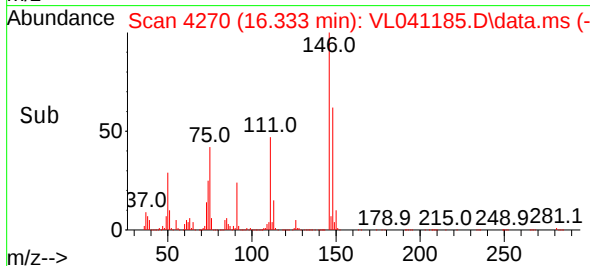
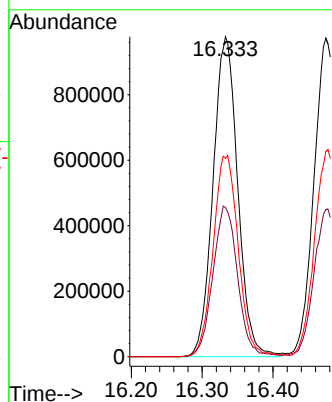
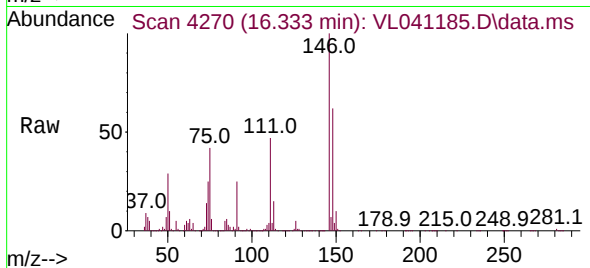
Tgt Ion:146 Resp: 2359672

Ion Ratio Lower Upper

146 100

111 47.2 23.7 71.1

148 64.5 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 13.898 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.003 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

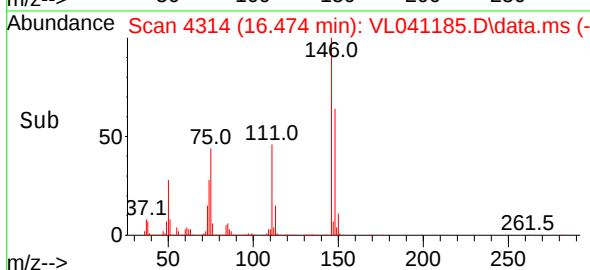
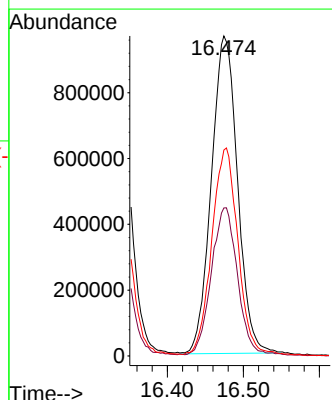
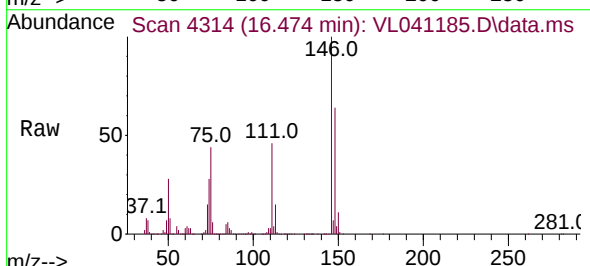
Tgt Ion:146 Resp: 2307974

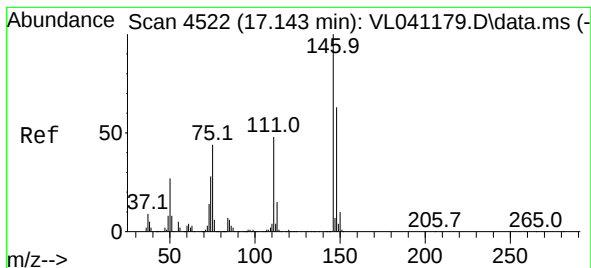
Ion Ratio Lower Upper

146 100

111 47.5 23.3 69.8

148 66.3 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 13.231 ppbv

RT: 17.143 min Scan# 4522

Delta R.T. -0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

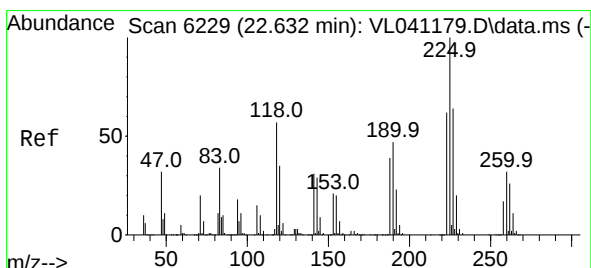
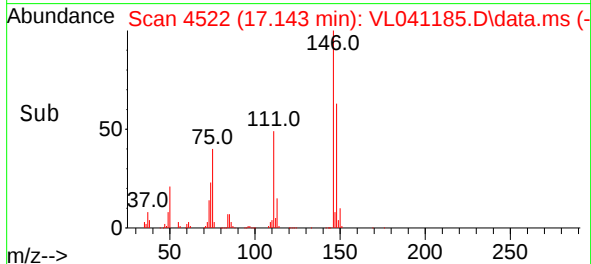
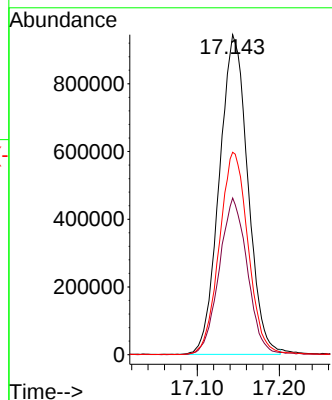
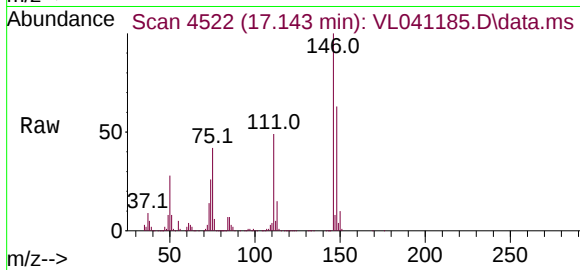
Tgt Ion:146 Resp: 2279101

Ion Ratio Lower Upper

146 100

111 48.9 24.5 73.5

148 64.0 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 11.855 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.006 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

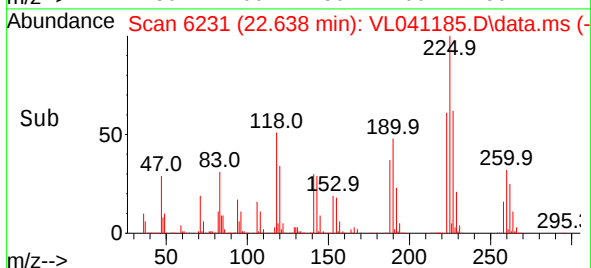
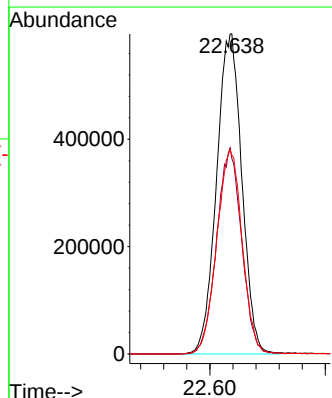
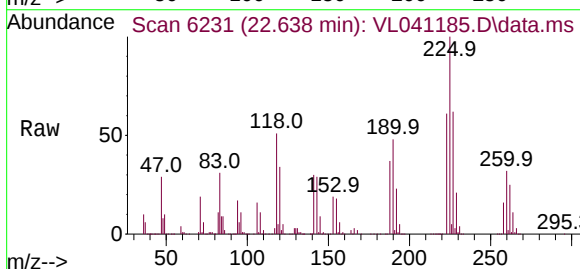
Tgt Ion:225 Resp: 1815132

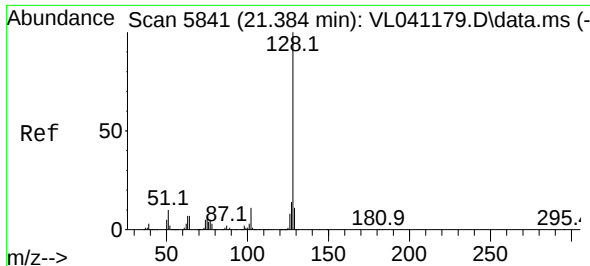
Ion Ratio Lower Upper

225 100

223 63.3 50.9 76.3

227 64.1 52.0 78.0





#79

Naphthalene

Concen: 14.429 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

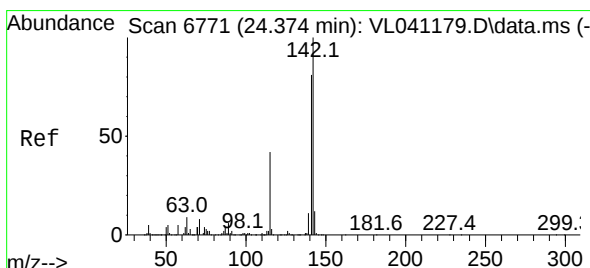
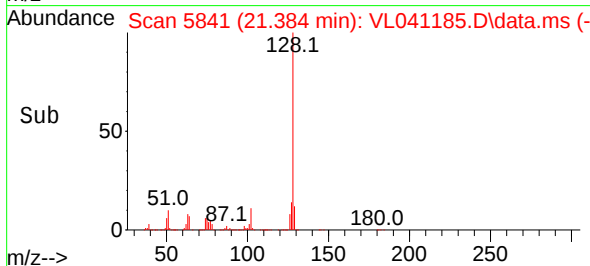
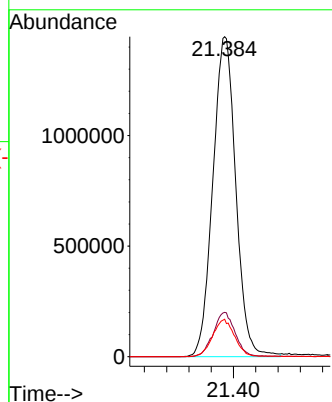
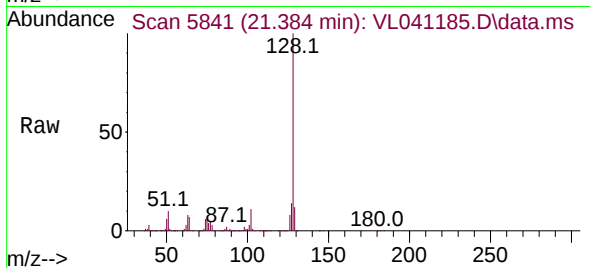
Tgt Ion:128 Resp: 4143713

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

129 11.7 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 13.118 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041185.D

Acq: 29 Apr 2024 15:27

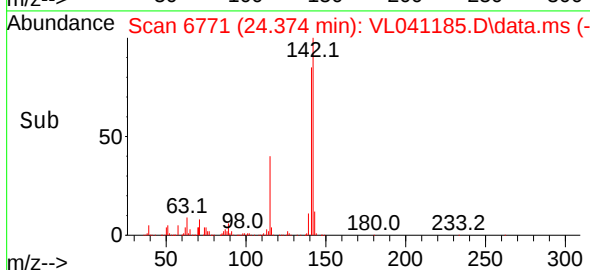
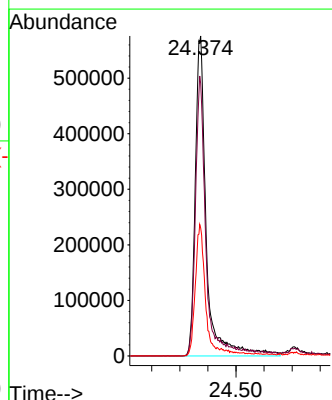
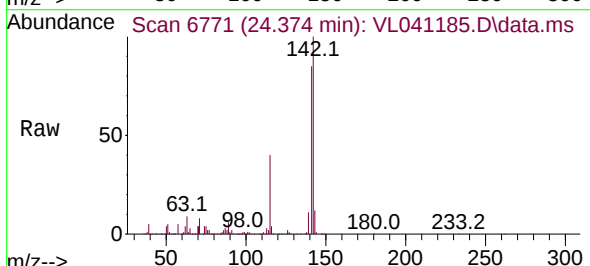
Tgt Ion:142 Resp: 1585680

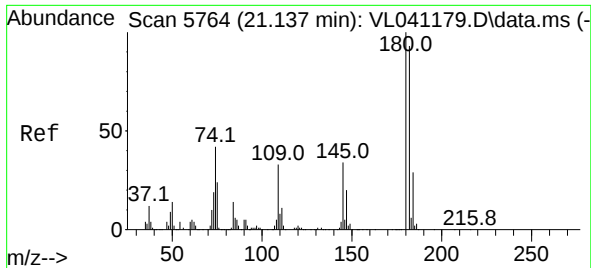
Ion Ratio Lower Upper

142 100

141 84.2 67.9 101.9

115 38.9 31.4 47.0





#81

1,2,4-Trichlorobenzene

Concen: 13.452 ppbv

RT: 21.140 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041185.D

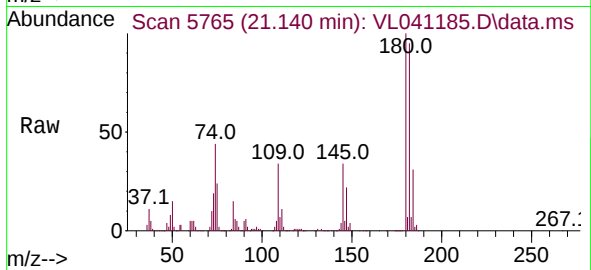
Acq: 29 Apr 2024 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 2064487

Ion Ratio Lower Upper

180 100

182 97.6 77.2 115.8

184 31.3 24.6 36.8

