

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041402.D
 Acq On : 25 Jul 2024 16:00
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 26 02:43:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1198045	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3329007	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3110236	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2394911	10.274	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	121223	0.593	ppbv	98
3) Chlorodifluoromethane	2.652	51	76485	0.370	ppbv	99
4) Chloromethane	2.793	50	38283	0.485	ppbv	89
5) Vinyl Chloride	2.899	62	35294	0.414	ppbv #	86
6) Bromomethane	3.099	94	18597	0.689	ppbv	95
7) Chloroethane	3.176	64	7473	0.265	ppbv	93
8) Dichlorotetrafluoroethane	2.835	85	96423	0.485	ppbv	96
9) Propene	2.674	41	35545	0.497	ppbv	96
10) Heptane	7.568	43	66812	0.398	ppbv	93
11) Trichlorofluoromethane	3.542	101	92339	0.464	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.053	101	67197	0.482	ppbv	97
13) Ethanol	3.234	45	1008	0.064	ppbv #	29
14) Bromoethene	3.349	108	22722	0.406	ppbv #	76
15) Acetone	3.465	43	74008	0.468	ppbv	97
16) 1,3-Butadiene	2.963	39	33970	0.451	ppbv	91
17) tert-Butyl alcohol	3.877	59	58214	0.477	ppbv	96
18) 1,1-Dichloroethene	3.864	96	28949	0.472	ppbv	85
19) Isopropyl Alcohol	3.574	45	34137	0.393	ppbv #	95
20) Methylene Chloride	3.915	84	27679	0.482	ppbv	92
21) Allyl Chloride	3.979	41	40810	0.428	ppbv	90
22) trans-1,2-Dichloroethene	4.436	96	12579	0.207	ppbv	87
23) Vinyl Acetate	4.616	43	48820	0.313	ppbv #	85
24) 1,1-Dichloroethane	4.549	63	58174	0.430	ppbv	99
25) Ethyl Acetate	5.198	43	126562	0.434	ppbv #	96
26) Hexane	5.201	57	55917	0.433	ppbv	92
27) Carbon Disulfide	4.108	76	58281	0.371	ppbv #	89
28) Methyl tert-Butyl Ether	4.581	73	35181	0.368	ppbv	99
29) Chloroform	5.262	83	50124	0.252	ppbv	99
30) Cyclohexane	6.594	84	16805	0.164	ppbv #	1
31) cis-1,2-Dichloroethene	5.066	61	54702	0.442	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	84630	0.405	ppbv	97
34) 2-Butanone	4.787	43	64911	0.369	ppbv	92
35) Carbon Tetrachloride	6.484	117	86673	0.394	ppbv	96
36) Benzene	6.356	78	118364	0.430	ppbv	96
37) 1,2-Dichloroethane	5.790	62	66696	0.422	ppbv	100
38) Trichloroethene	7.282	130	52860	0.440	ppbv	96
39) 1,2-Dichloropropane	7.053	63	17112	0.161	ppbv	94
41) Tetrahydrofuran	5.565	42	33611	0.309	ppbv #	80
42) Bromodichloromethane	7.240	83	93679	0.424	ppbv	90
43) Methyl Methacrylate	7.471	69	37179	0.359	ppbv	90
44) 2,2,4-Trimethylpentane	7.314	57	193929	0.414	ppbv	95
45) t-1,3-Dichloropropene	8.703	75	11326	0.173	ppbv	93
46) cis-1,3-Dichloropropene	8.130	75	48144	0.547	ppbv	87

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Quant Time: Jul 26 02:43:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

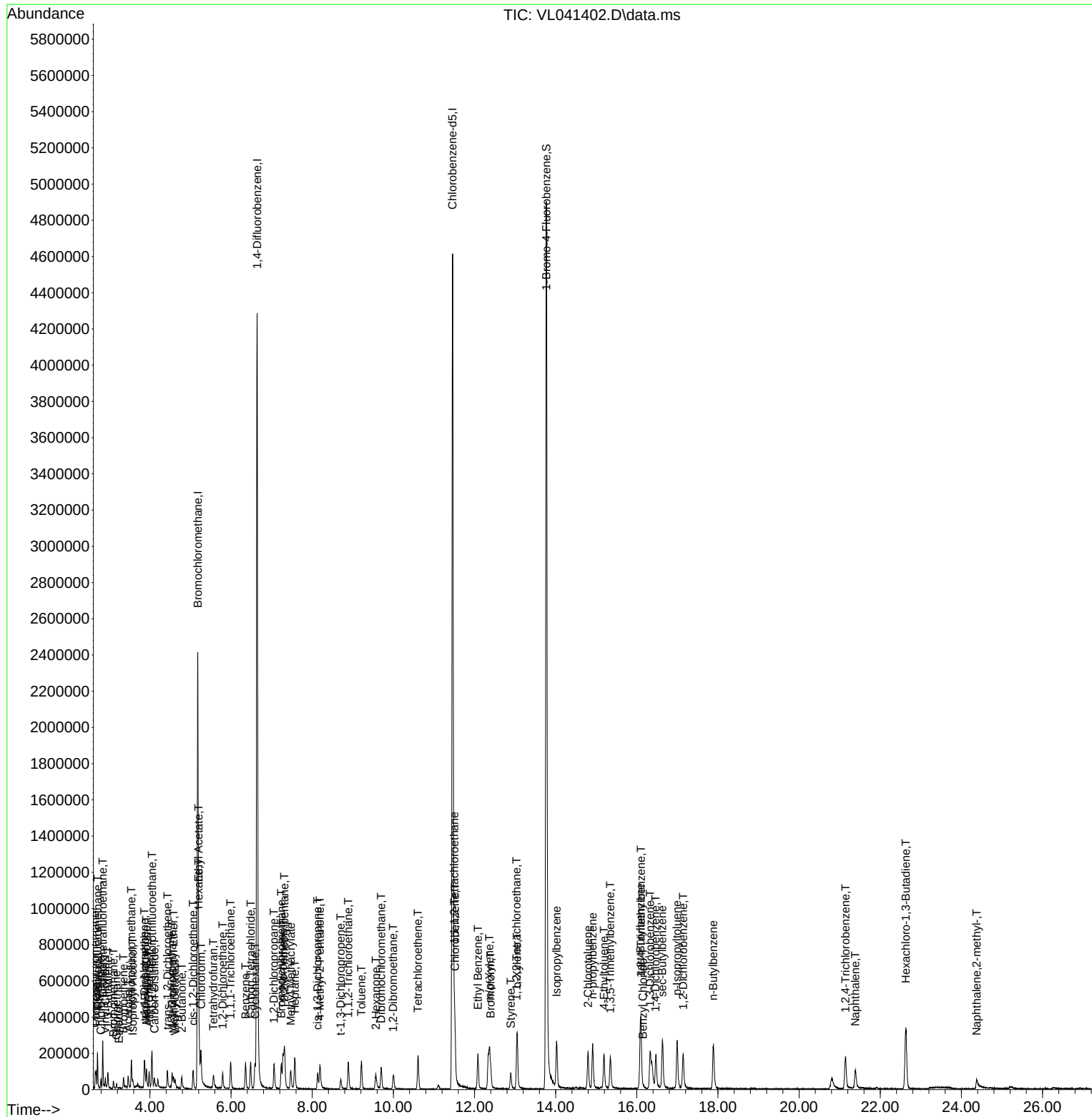
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.889	97	50007	0.438	ppbv	92
48) Dibromochloromethane	9.700	129	71709	0.391	ppbv	96
49) Bromoform	12.397	173	29786	0.204	ppbv #	25
50) 4-Methyl-2-Pentanone	8.188	43	67382	0.239	ppbv #	56
51) 2-Hexanone	9.568	43	77238	0.385	ppbv #	98
52) Tetrachloroethene	10.606	164	45907	0.415	ppbv	96
53) Toluene	9.211	91	66792	0.215	ppbv #	38
54) 1,2-Dibromoethane	9.992	107	29384	0.208	ppbv	83
56) 1,1,1,2-Tetrachloroethane	11.500	131	39517	0.282	ppbv #	1
57) Chlorobenzene	11.516	112	60558	0.248	ppbv	97
58) Ethyl Benzene	12.085	91	170346	0.409	ppbv	90
59) m/p-Xylene	12.365	91	93537	0.260	ppbv #	1
60) o-Xylene	13.050	91	73862	0.217	ppbv #	30
61) Styrene	12.892	104	54180	0.328	ppbv	97
62) Isopropylbenzene	14.024	105	214544	0.409	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	40267	0.150	ppbv #	23
64) n-propylbenzene	14.912	120	37964	0.277	ppbv #	1
65) tert-Butylbenzene	16.088	119	190258	0.407	ppbv	96
66) Benzyl Chloride	16.146	91	1821	0.059	ppbv #	66
67) sec-Butylbenzene	16.629	105	117117	0.177	ppbv #	59
69) p-Isopropyltoluene	16.992	119	215940	0.396	ppbv	98
70) n-Butylbenzene	17.886	91	212575	0.381	ppbv	99
71) 2-Chlorotoluene	14.799	91	161067	0.413	ppbv	99
72) 4-Ethyltoluene	15.191	105	149868	0.370	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.346	105	70702	0.204	ppbv	91
74) 1,2,4-Trimethylbenzene	16.101	105	165986	0.425	ppbv #	90
75) 1,3-Dichlorobenzene	16.326	146	54557	0.236	ppbv #	21
76) 1,4-Dichlorobenzene	16.465	146	55758	0.242	ppbv #	23
77) 1,2-Dichlorobenzene	17.143	146	104861	0.444	ppbv	96
78) Hexachloro-1,3-Butadiene	22.628	225	50067	0.292	ppbv #	15
79) Naphthalene	21.384	128	126192	0.601	ppbv	97
80) Naphthalene,2-methyl-	24.377	142	58719	106.249	ppbv	95
81) 1,2,4-Trichlorobenzene	21.143	180	46470	0.358	ppbv #	24

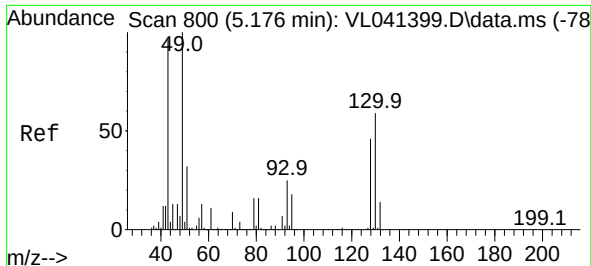
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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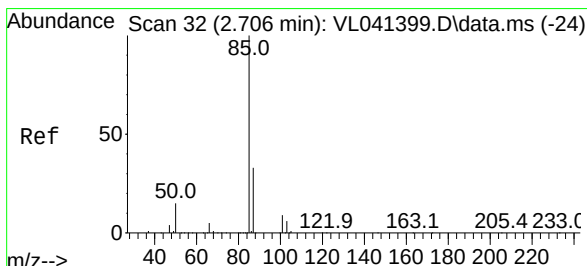
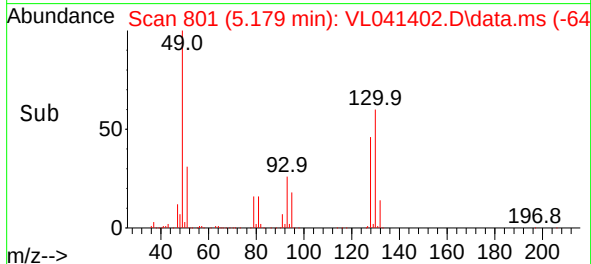
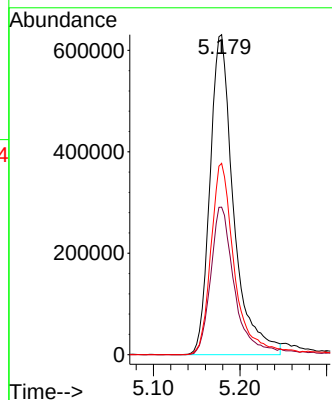
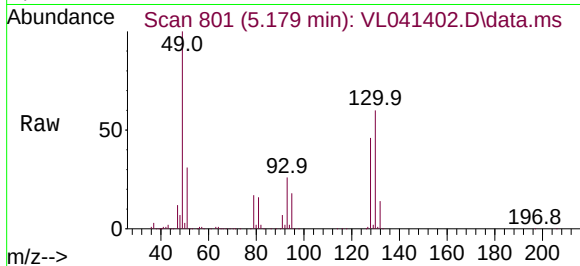




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

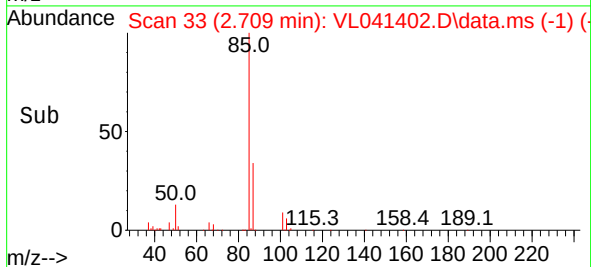
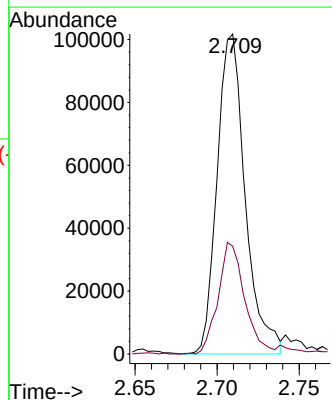
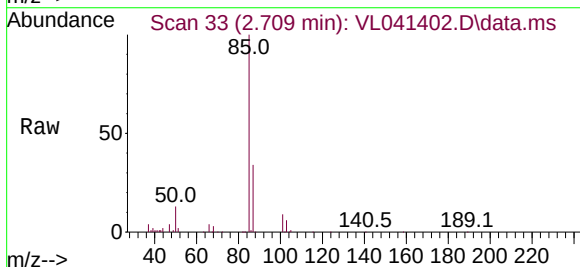
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

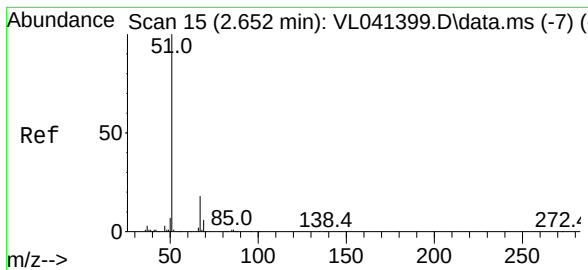
Tgt Ion: 49 Resp: 1198045
Ion Ratio Lower Upper
49 100
128 47.8 23.8 71.4
130 61.2 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.593 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 85 Resp: 121223
Ion Ratio Lower Upper
85 100
87 33.6 26.0 39.0

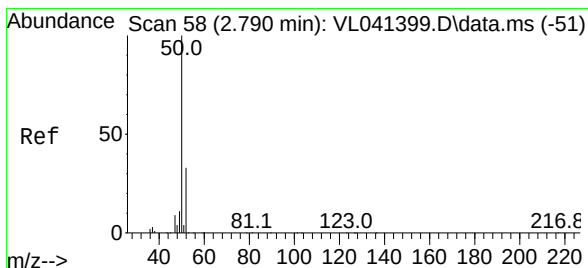
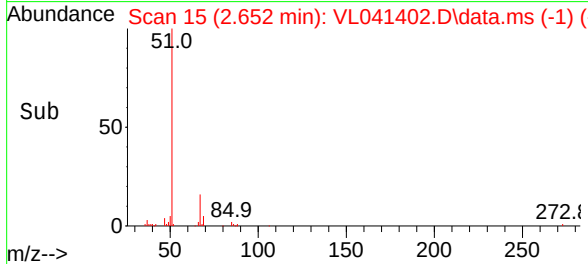
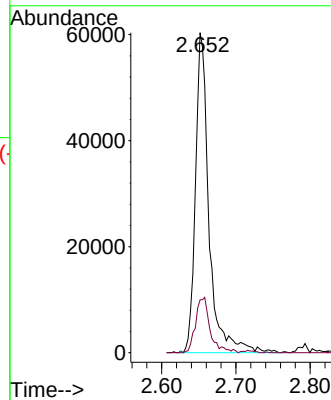
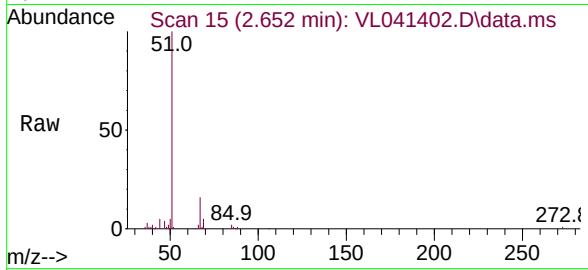




#3
Chlorodifluoromethane
Concen: 0.370 ppbv
RT: 2.652 min Scan# 15
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

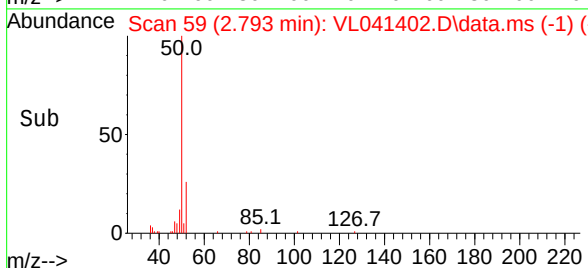
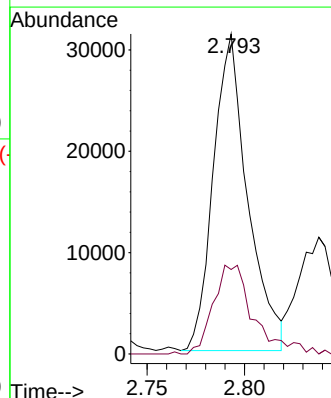
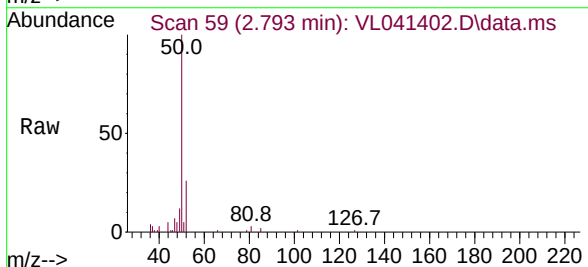
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

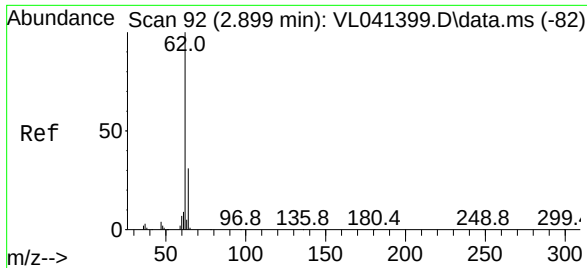
Tgt Ion: 51 Resp: 76485
Ion Ratio Lower Upper
51 100
67 18.5 14.5 21.7



#4
Chloromethane
Concen: 0.485 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 50 Resp: 38283
Ion Ratio Lower Upper
50 100
52 26.7 26.1 39.1





#5

Vinyl Chloride

Concen: 0.414 ppbv

RT: 2.899 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

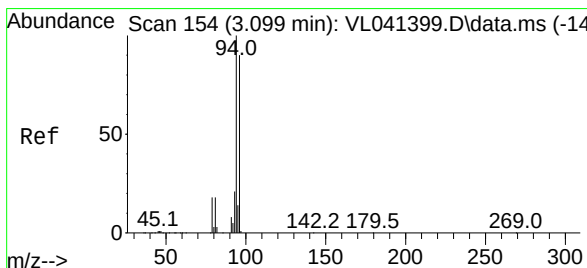
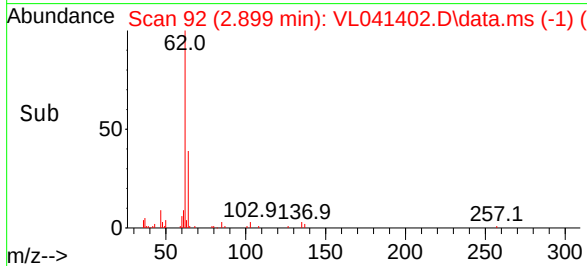
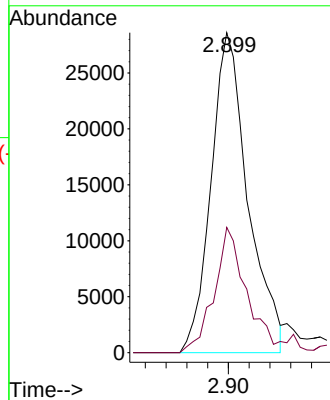
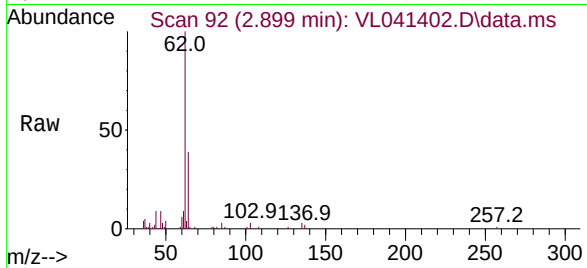
VSTDICC0.5

Tgt Ion: 62 Resp: 35294

Ion Ratio Lower Upper

62 100

64 39.1 25.0 37.4#



#6

Bromomethane

Concen: 0.689 ppbv

RT: 3.099 min Scan# 154

Delta R.T. -0.000 min

Lab File: VL041402.D

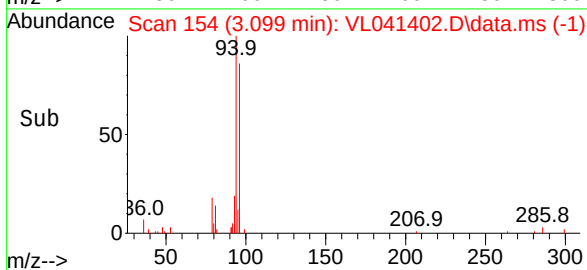
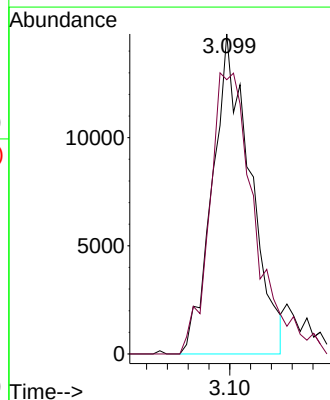
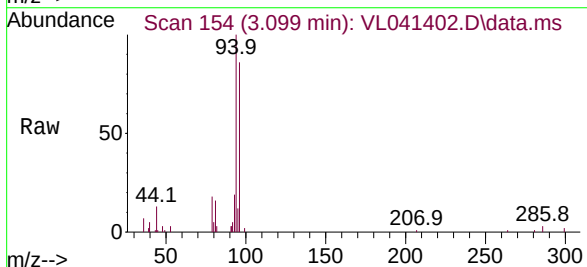
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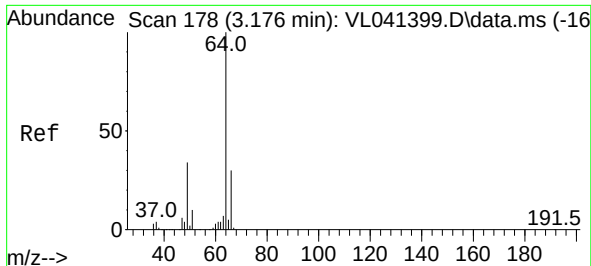
Tgt Ion: 94 Resp: 18597

Ion Ratio Lower Upper

94 100

96 85.7 72.3 108.5

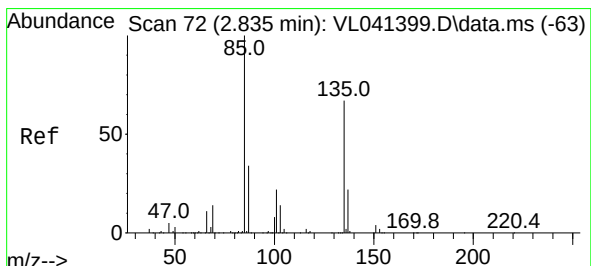
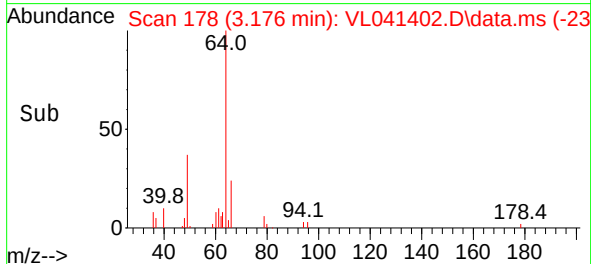
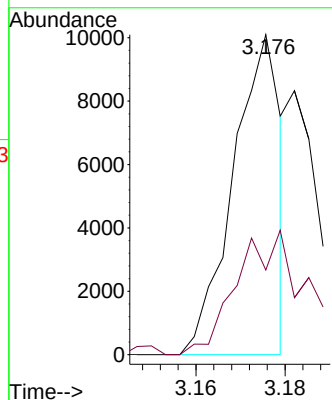
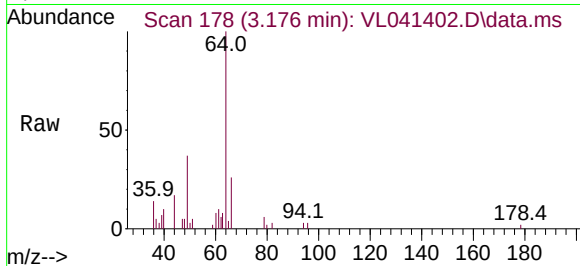




#7
Chloroethane
Concen: 0.265 ppbv
RT: 3.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

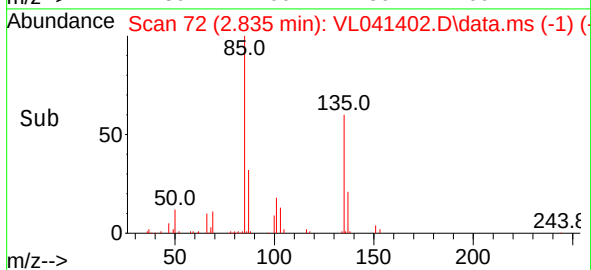
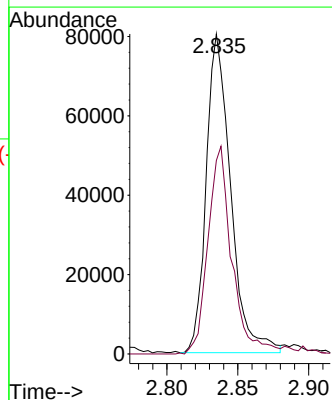
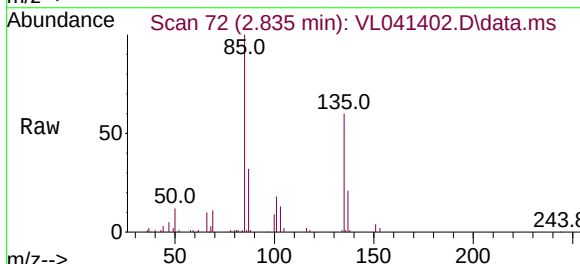
Instrument :
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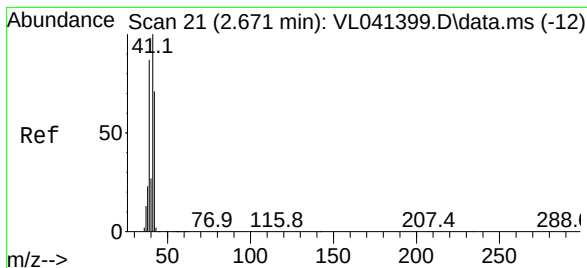
Tgt Ion: 64 Resp: 7473
Ion Ratio Lower Upper
64 100
66 26.5 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 0.485 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 85 Resp: 96423
Ion Ratio Lower Upper
85 100
135 66.2 55.4 83.0





#9

Propene

Concen: 0.497 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

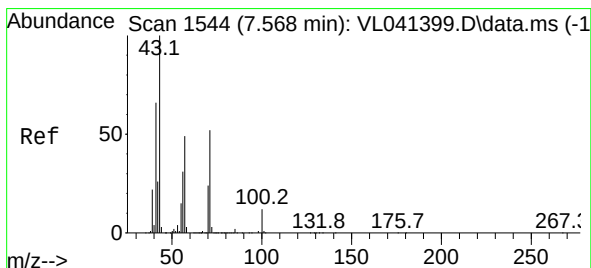
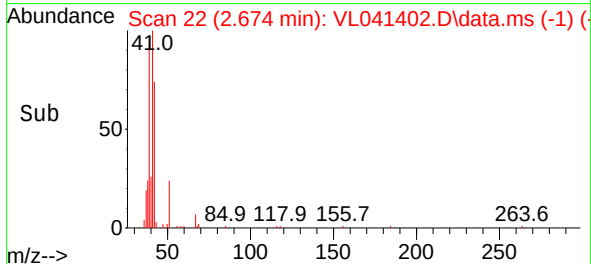
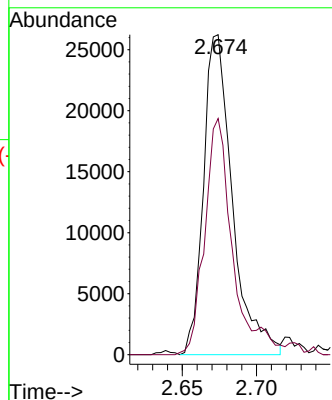
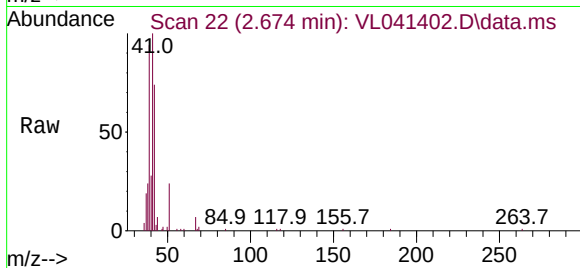
VSTDIC0.5

Tgt Ion: 41 Resp: 35545

Ion Ratio Lower Upper

41 100

42 73.6 55.9 83.9



#10

Heptane

Concen: 0.398 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VL041402.D

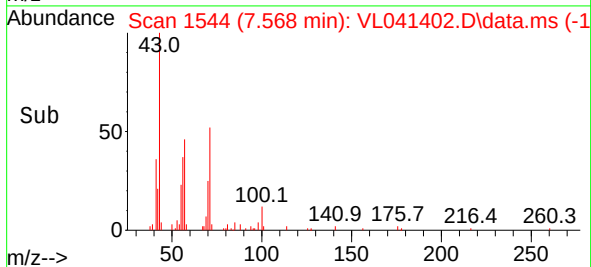
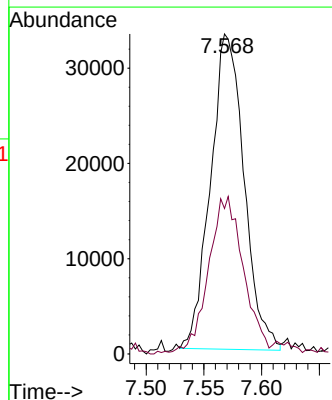
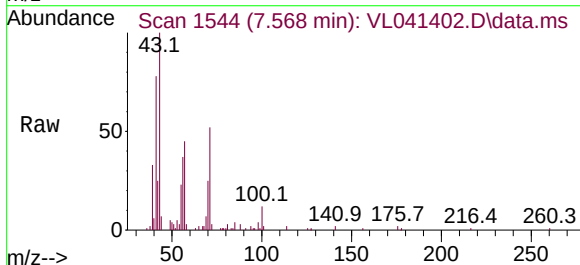
Acq: 25 Jul 2024 16:00

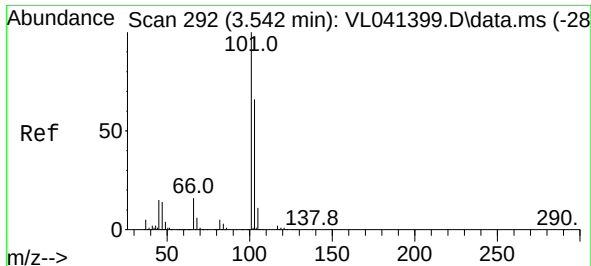
Tgt Ion: 43 Resp: 66812

Ion Ratio Lower Upper

43 100

57 55.3 40.5 60.7

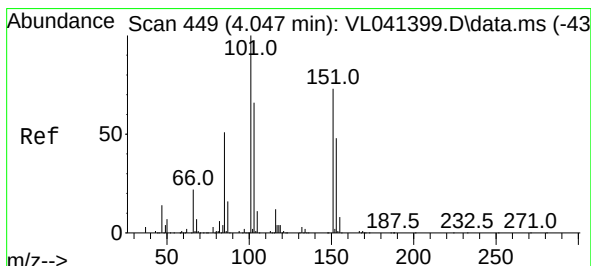
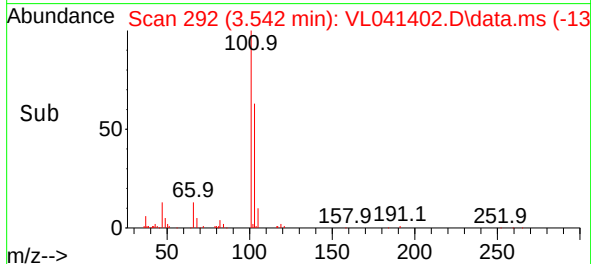
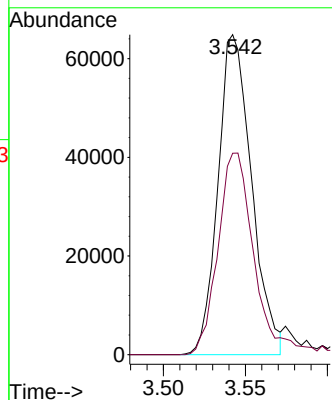
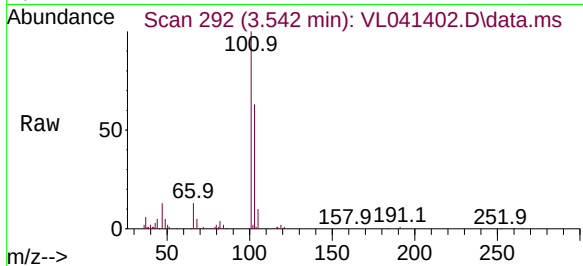




#11
 Trichlorofluoromethane
 Concen: 0.464 ppbv
 RT: 3.542 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VL041402.D
 Acq: 25 Jul 2024 16:00

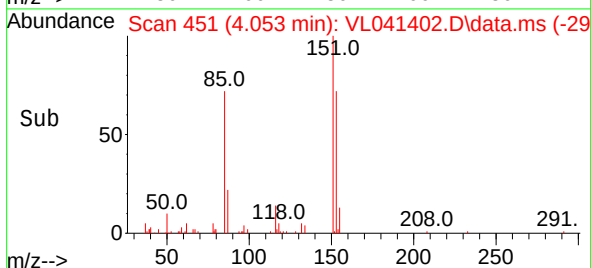
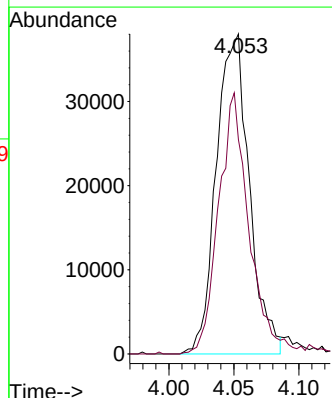
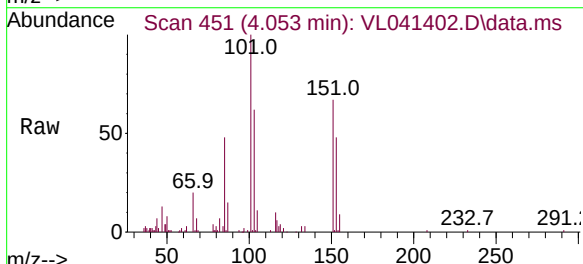
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

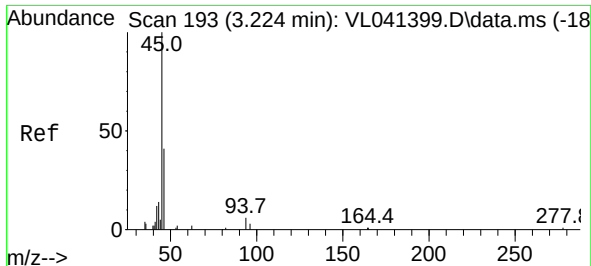
Tgt Ion:101 Resp: 92339
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.482 ppbv
 RT: 4.053 min Scan# 451
 Delta R.T. 0.006 min
 Lab File: VL041402.D
 Acq: 25 Jul 2024 16:00

Tgt Ion:101 Resp: 67197
 Ion Ratio Lower Upper
 101 100
 151 77.1 59.4 89.2





#13

Ethanol

Concen: 0.064 ppbv

RT: 3.234 min Scan# 196

Delta R.T. 0.010 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

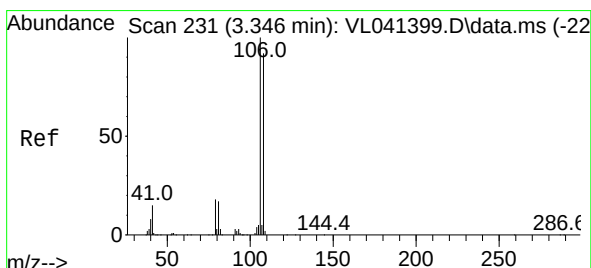
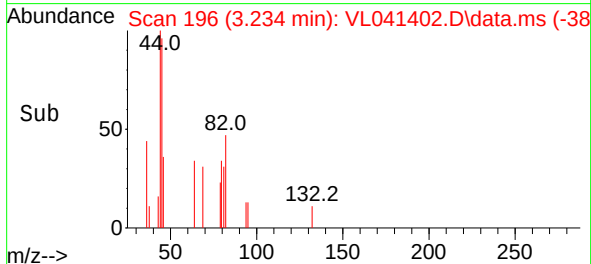
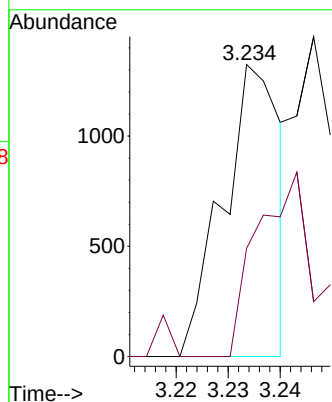
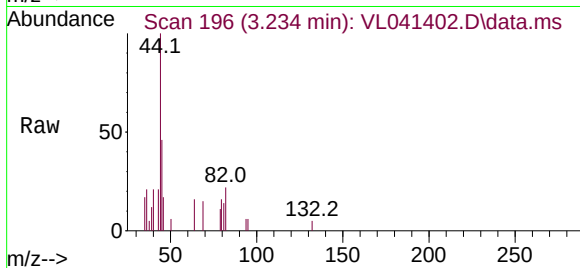
VSTDIC0.5

Tgt Ion: 45 Resp: 1008

Ion Ratio Lower Upper

45 100

46 74.0 13.4 53.4#



#14

Bromoethene

Concen: 0.406 ppbv

RT: 3.349 min Scan# 232

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

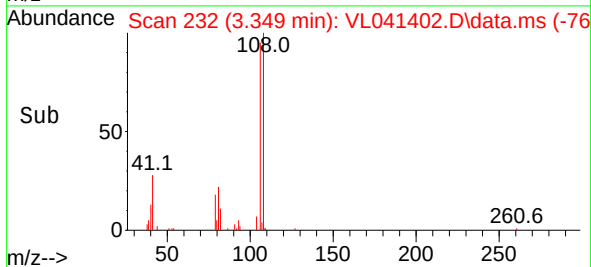
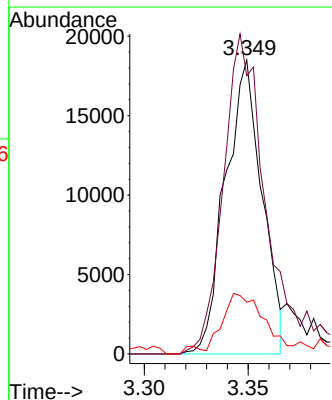
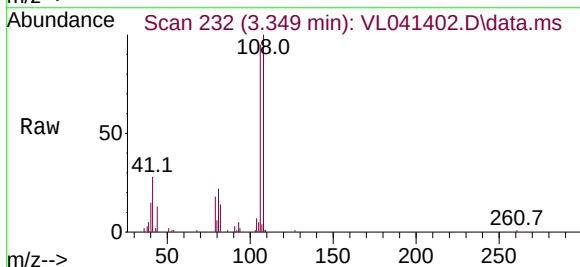
Tgt Ion:108 Resp: 22722

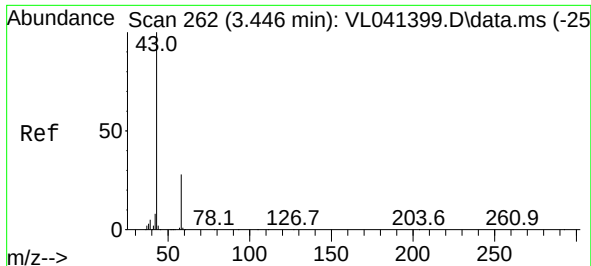
Ion Ratio Lower Upper

108 100

106 135.6 86.9 130.3#

79 27.2 16.2 24.4#





#15

Acetone

Concen: 0.468 ppbv

RT: 3.465 min Scan# 2

Delta R.T. 0.019 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

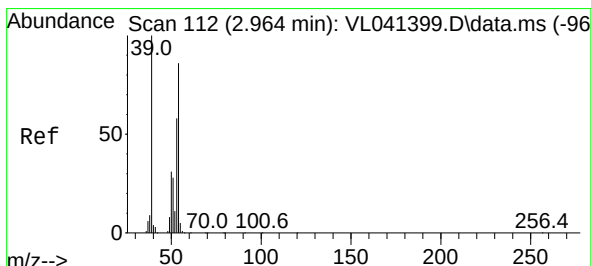
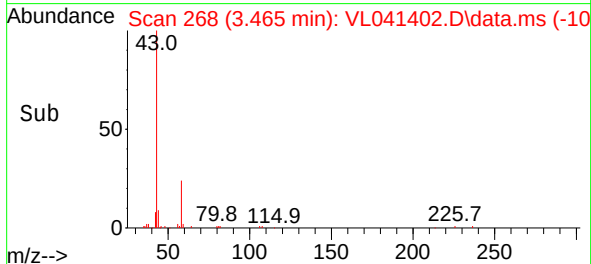
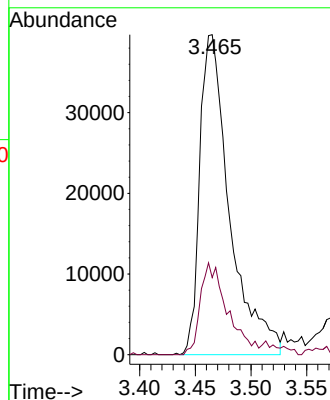
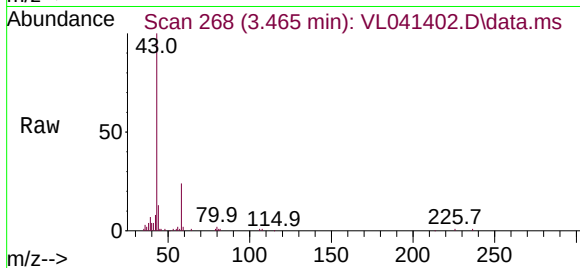
VSTDICC0.5

Tgt Ion: 43 Resp: 74008

Ion Ratio Lower Upper

43 100

58 28.6 21.4 32.2



#16

1,3-Butadiene

Concen: 0.451 ppbv

RT: 2.963 min Scan# 112

Delta R.T. -0.000 min

Lab File: VL041402.D

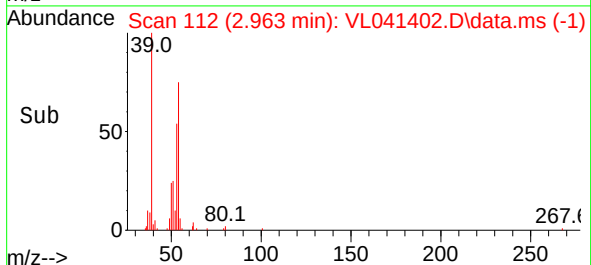
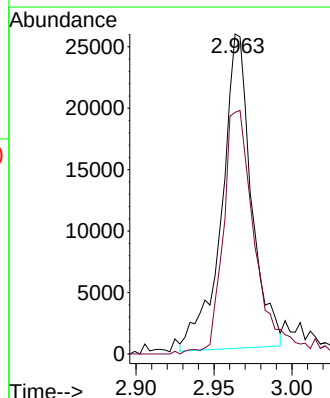
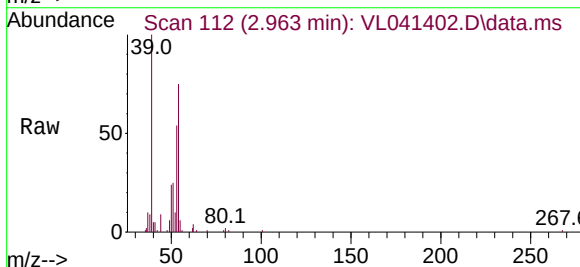
Acq: 25 Jul 2024 16:00

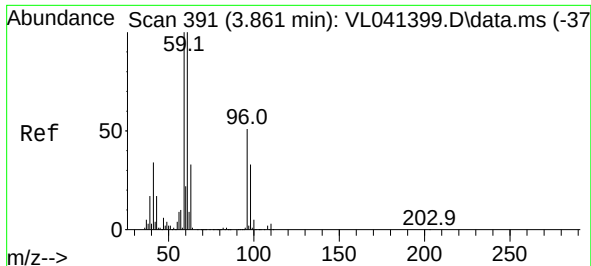
Tgt Ion: 39 Resp: 33970

Ion Ratio Lower Upper

39 100

54 86.1 62.5 93.7

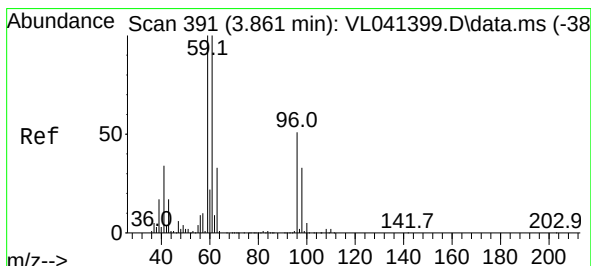
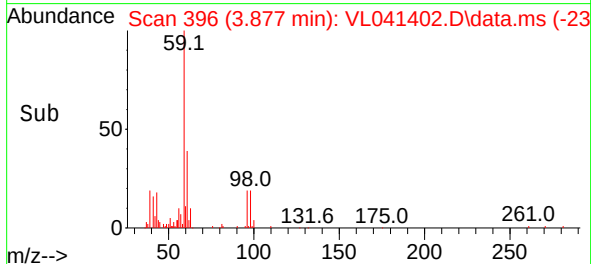
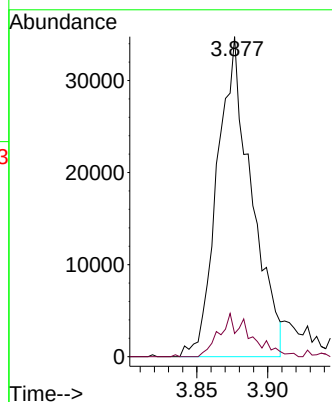
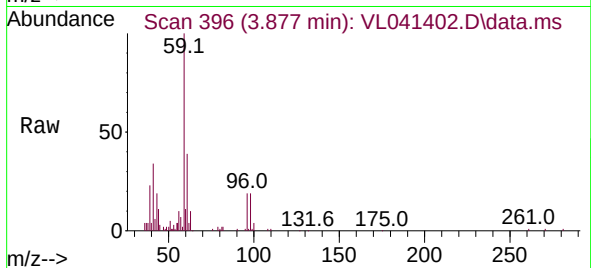




#17
tert-Butyl alcohol
Concen: 0.477 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.016 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

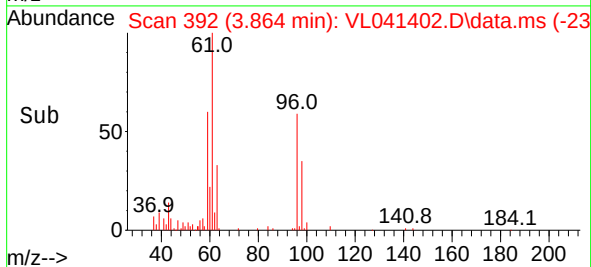
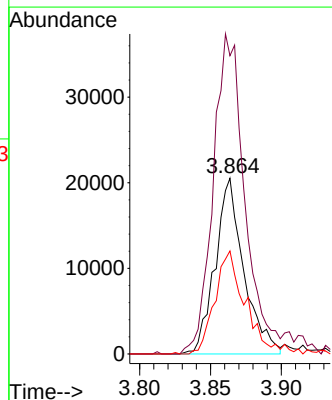
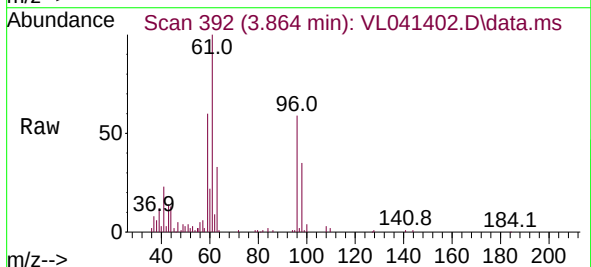
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

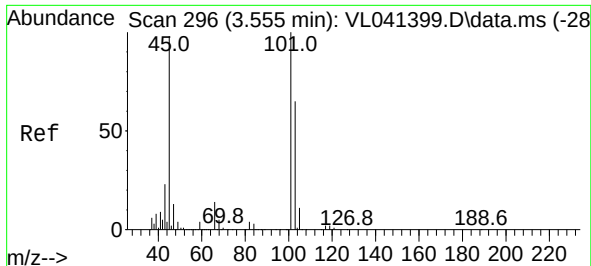
Tgt Ion: 59 Resp: 58214
Ion Ratio Lower Upper
59 100
57 12.3 8.6 12.8



#18
1,1-Dichloroethene
Concen: 0.472 ppbv
RT: 3.864 min Scan# 392
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 96 Resp: 28949
Ion Ratio Lower Upper
96 100
61 169.8 157.5 236.3
98 58.6 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.393 ppbv

RT: 3.574 min Scan# 302

Delta R.T. 0.019 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

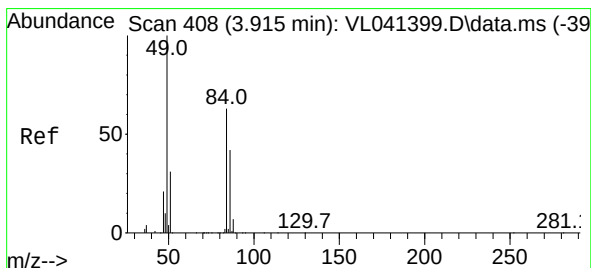
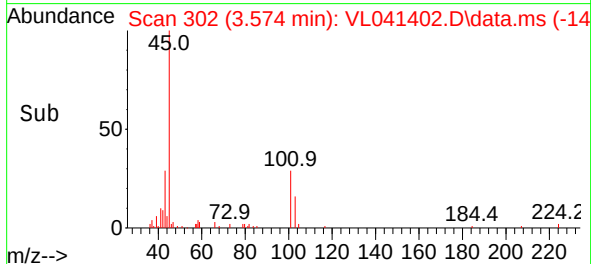
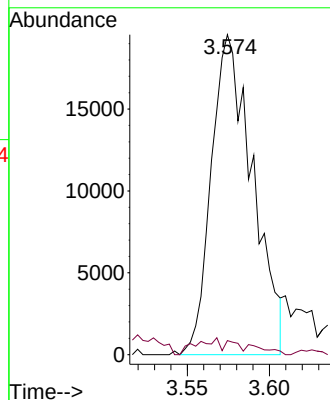
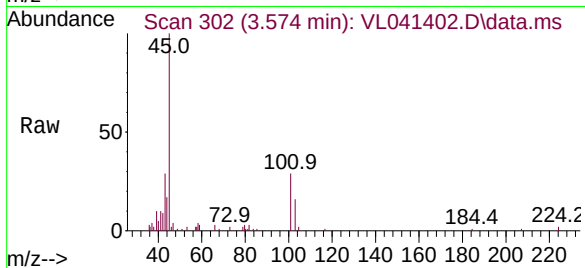
VSTDICC0.5

Tgt Ion: 45 Resp: 34137

Ion Ratio Lower Upper

45 100

58 4.2 1.9 2.9#



#20

Methylene Chloride

Concen: 0.482 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Tgt Ion: 84 Resp: 27679

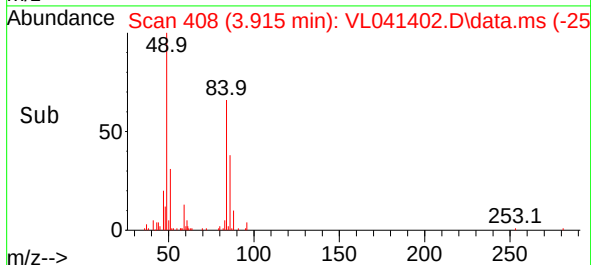
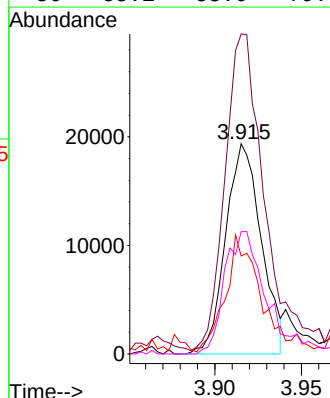
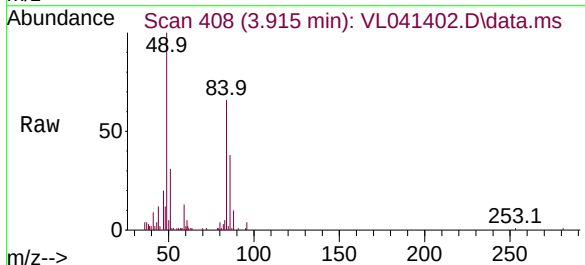
Ion Ratio Lower Upper

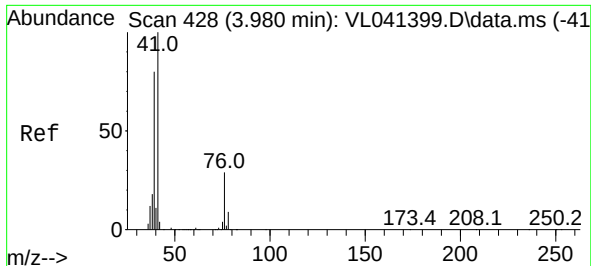
84 100

49 149.1 126.6 190.0

51 41.0 38.6 58.0

86 58.1 53.0 79.4





#21

Allyl Chloride

Concen: 0.428 ppbv

RT: 3.979 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

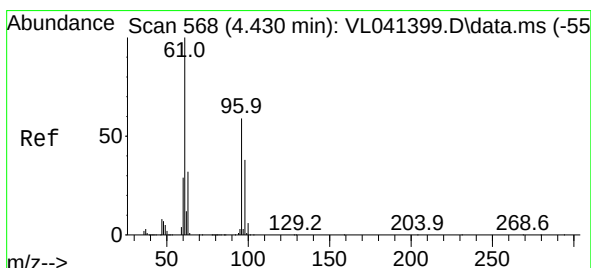
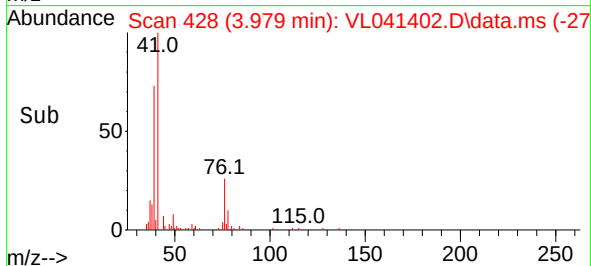
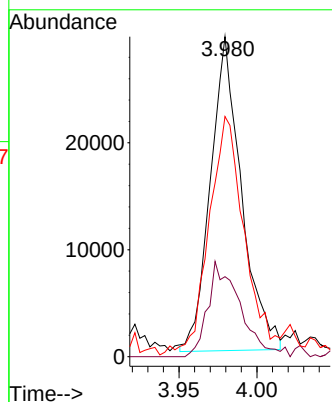
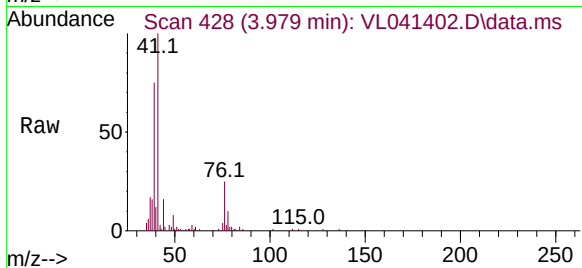
Tgt Ion: 41 Resp: 40810

Ion Ratio Lower Upper

41 100

76 31.5 23.7 35.5

39 91.0 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 0.207 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.006 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

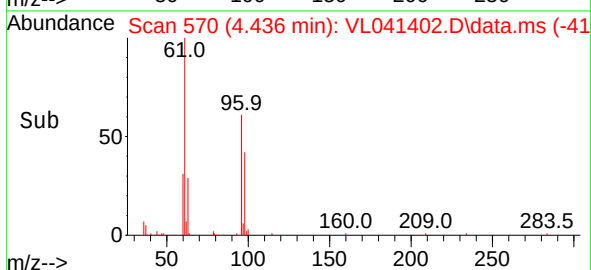
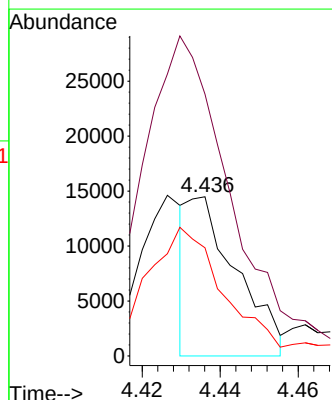
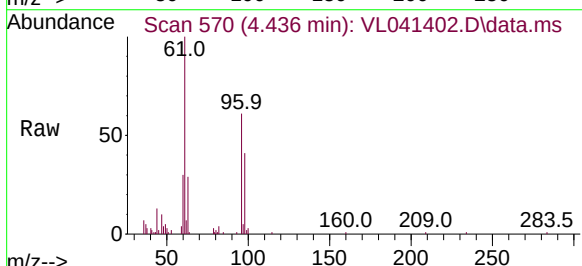
Tgt Ion: 96 Resp: 12579

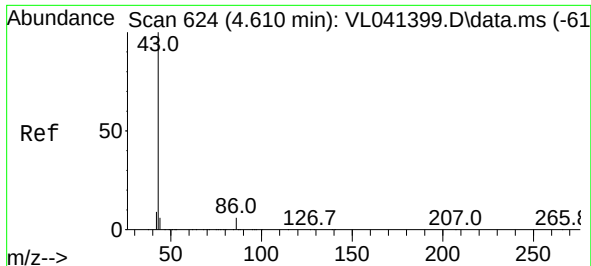
Ion Ratio Lower Upper

96 100

61 150.8 135.4 203.2

98 71.7 51.0 76.4



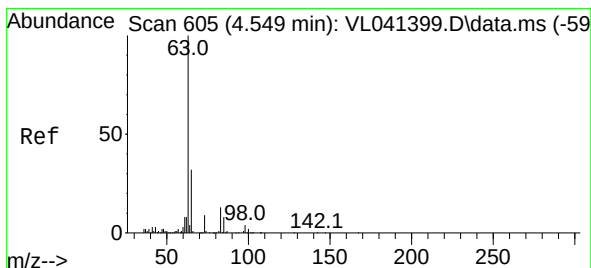
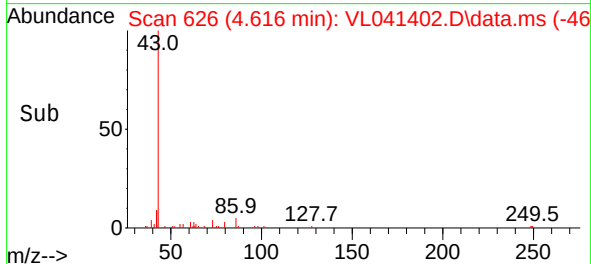
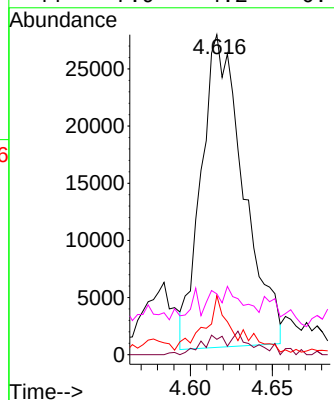
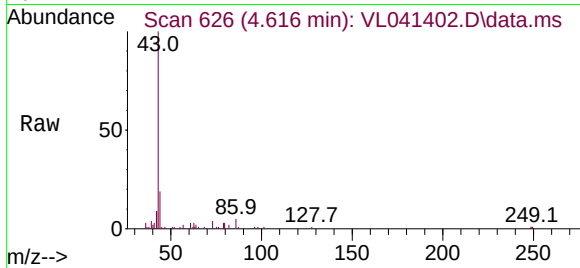


#23
 Vinyl Acetate
 Concen: 0.313 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL041402.D
 Acq: 25 Jul 2024 16:00

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 48820

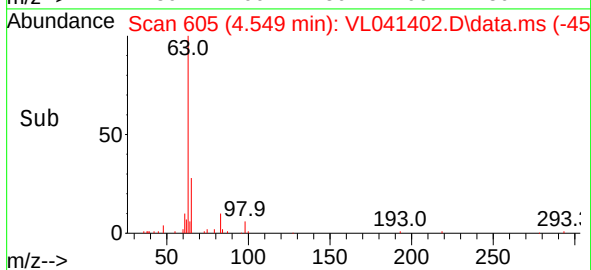
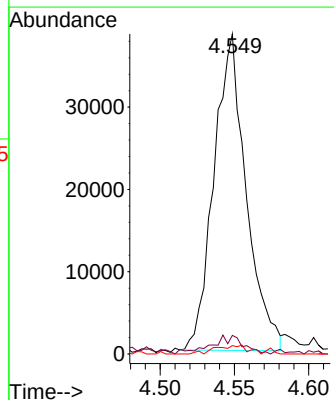
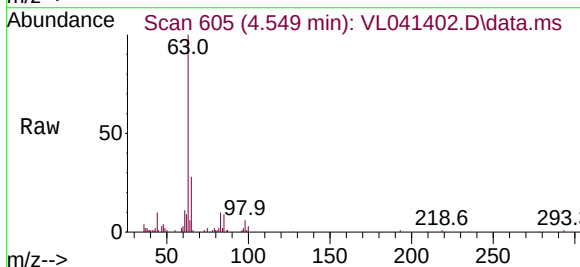
Ion	Ratio	Lower	Upper
43	100		
86	5.3	4.6	6.8
42	19.5	7.9	11.9#
44	7.9	4.2	6.4#

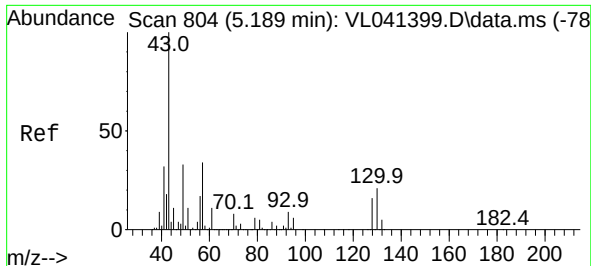


#24
 1,1-Dichloroethane
 Concen: 0.430 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. -0.000 min
 Lab File: VL041402.D
 Acq: 25 Jul 2024 16:00

Tgt Ion: 63 Resp: 58174

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.0	6.0
100	2.6	1.2	3.6



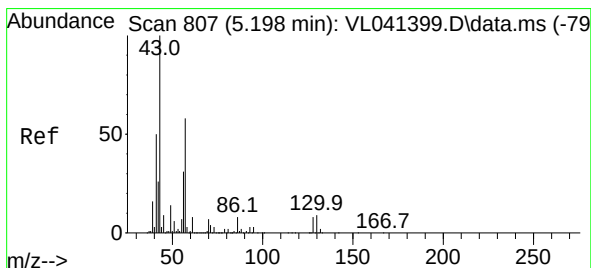
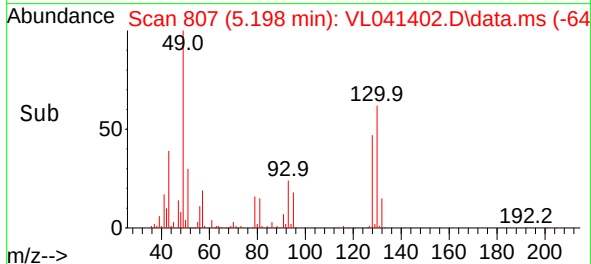
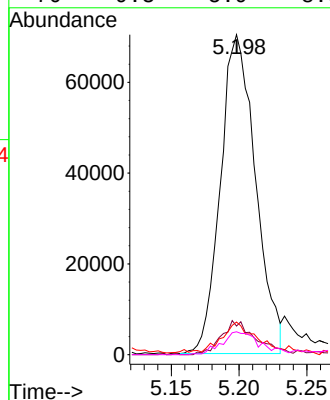
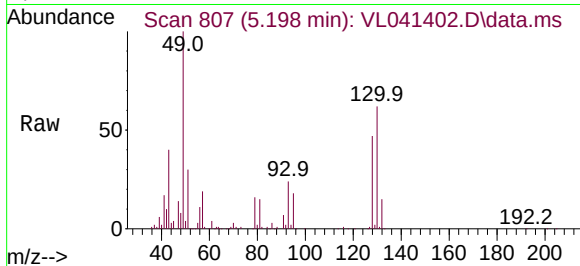


#25
Ethyl Acetate
Concen: 0.434 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 126562

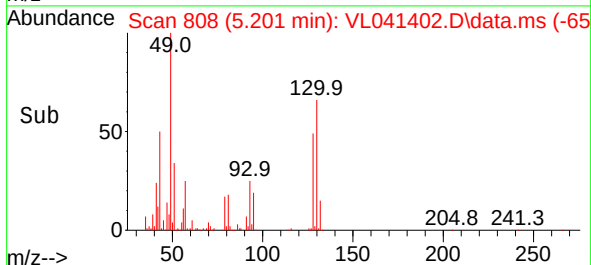
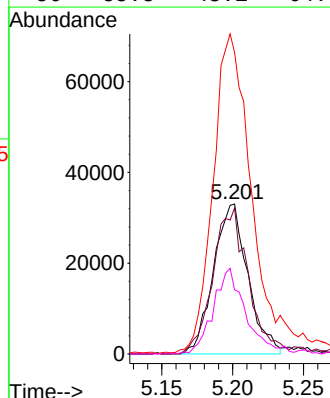
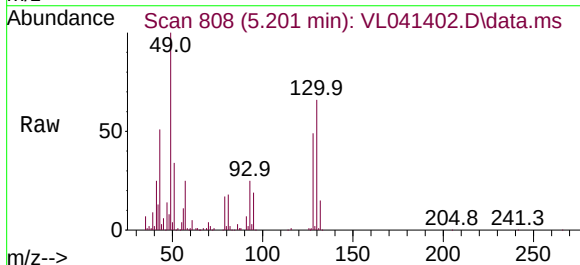
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.5	12.7
61	12.2	8.0	12.0#
70	9.3	5.9	8.9#

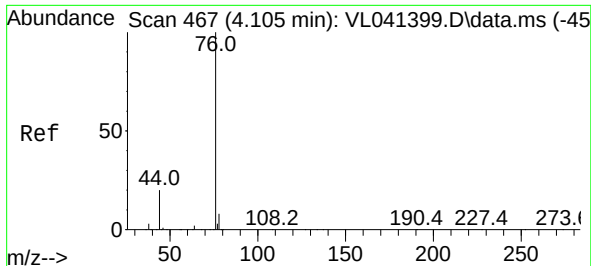


#26
Hexane
Concen: 0.433 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 57 Resp: 55917

Ion	Ratio	Lower	Upper
57	100		
41	104.5	74.0	111.0
43	253.7	193.6	290.4
56	55.8	43.1	64.7

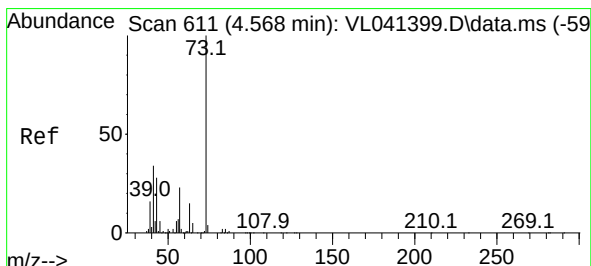
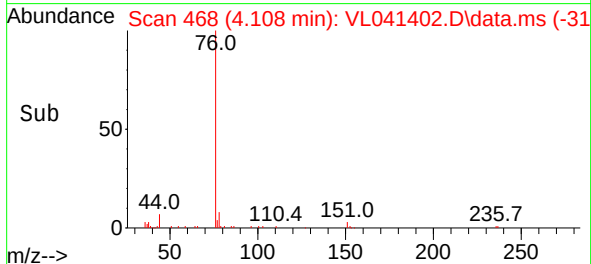
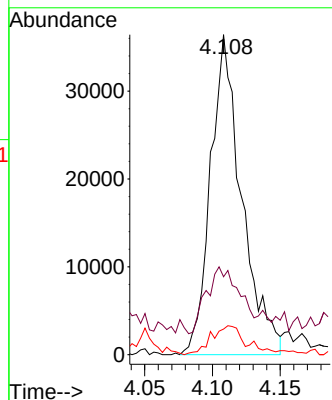
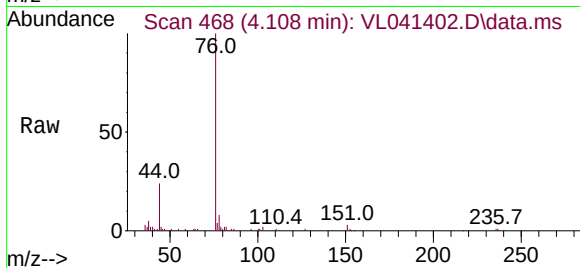




#27
Carbon Disulfide
Concen: 0.371 ppbv
RT: 4.108 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

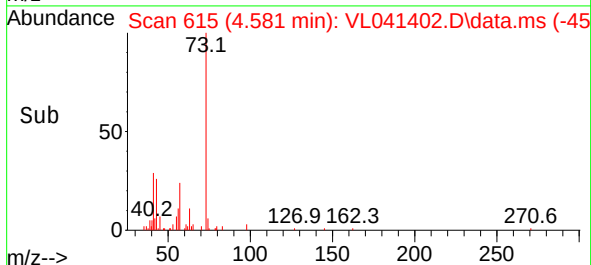
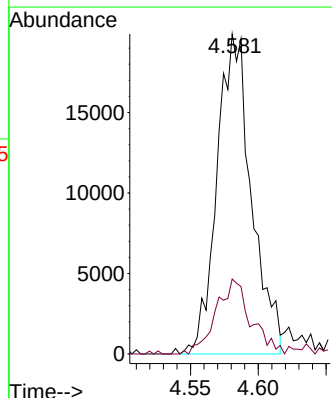
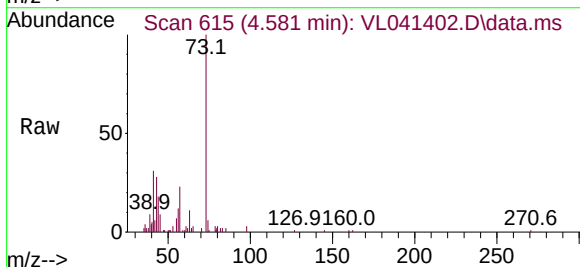
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

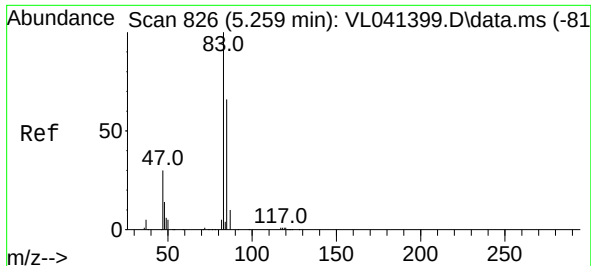
Tgt Ion: 76 Resp: 58281
Ion Ratio Lower Upper
76 100
44 26.1 15.6 23.4#
78 10.8 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.368 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.013 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 73 Resp: 35181
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3





#29

Chloroform

Concen: 0.252 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

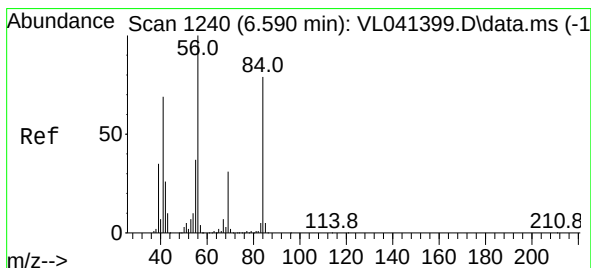
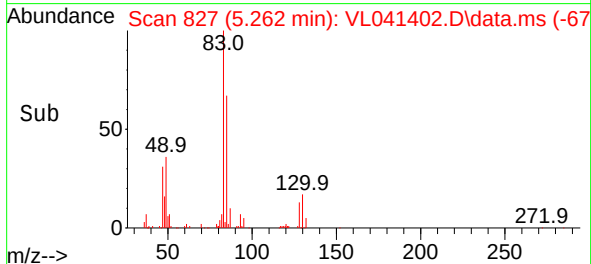
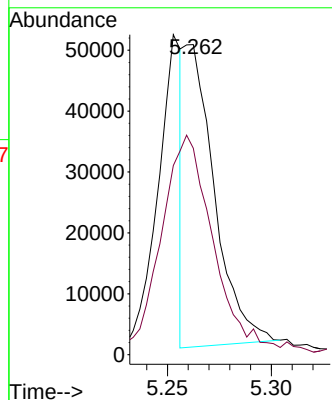
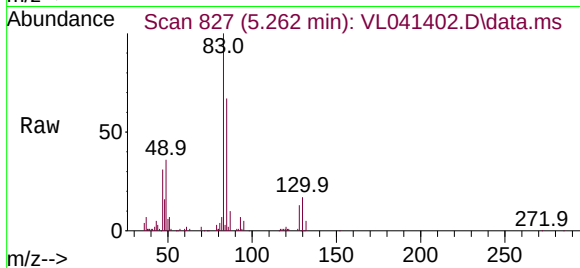
VSTDIC0.5

Tgt Ion: 83 Resp: 50124

Ion Ratio Lower Upper

83 100

85 67.4 53.1 79.7



#30

Cyclohexane

Concen: 0.164 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

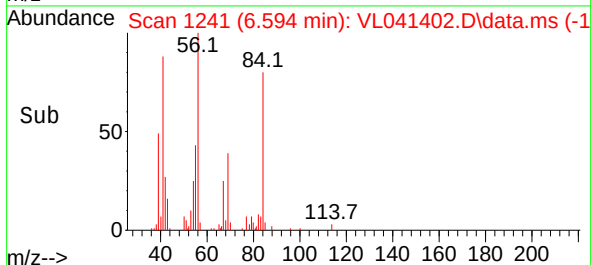
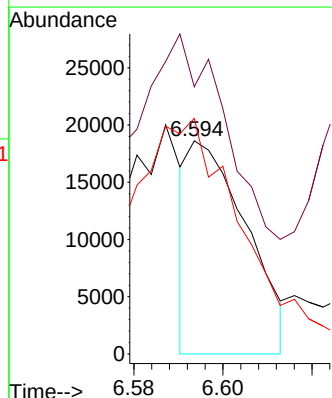
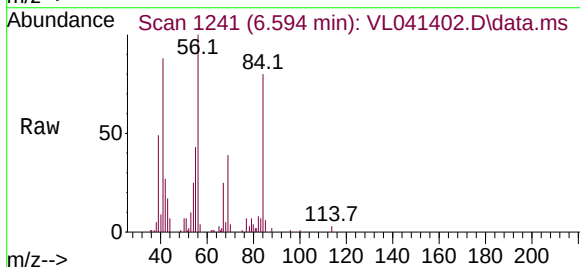
Tgt Ion: 84 Resp: 16805

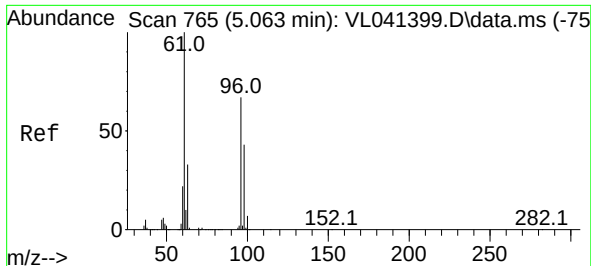
Ion Ratio Lower Upper

84 100

56 332.0 111.2 166.8#

41 258.8 70.3 105.5#





#31

cis-1,2-Dichloroethene

Concen: 0.442 ppbv

RT: 5.066 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

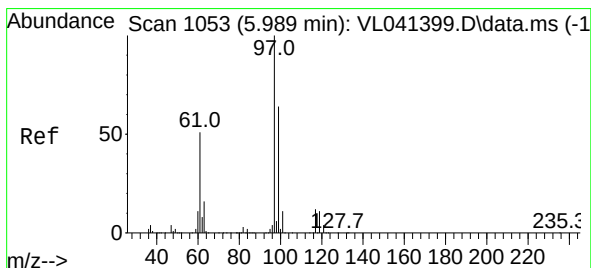
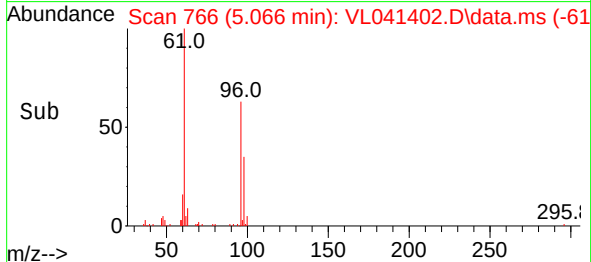
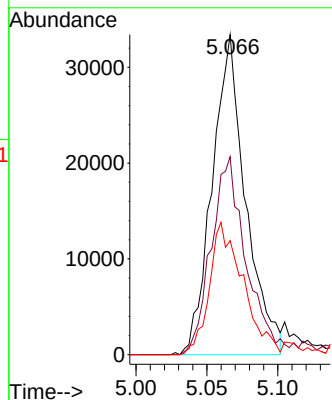
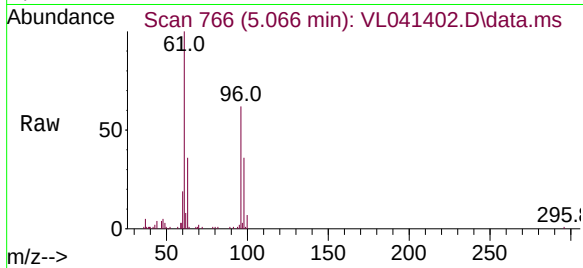
Tgt Ion: 61 Resp: 54702

Ion Ratio Lower Upper

61 100

96 61.8 53.4 80.2

98 35.6 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.405 ppbv

RT: 5.986 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

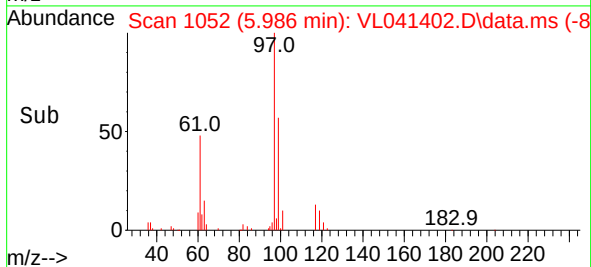
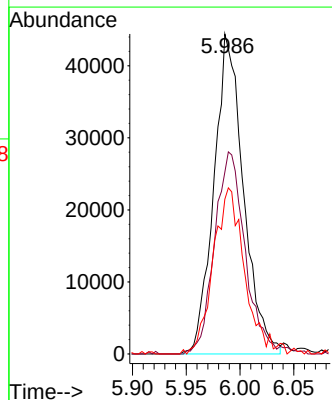
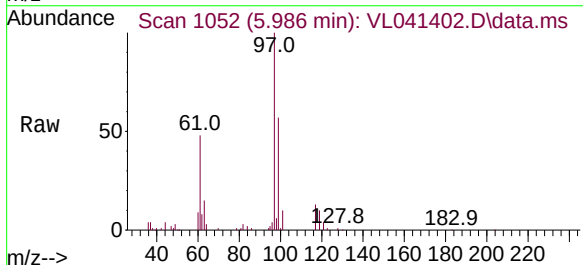
Tgt Ion: 97 Resp: 84630

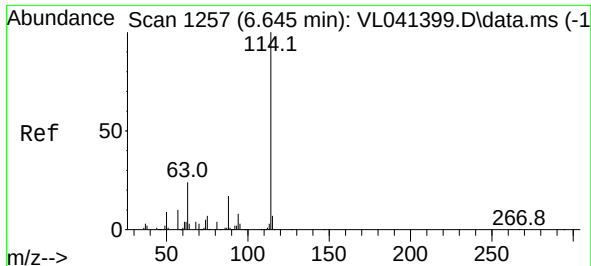
Ion Ratio Lower Upper

97 100

99 66.1 52.0 78.0

61 55.7 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

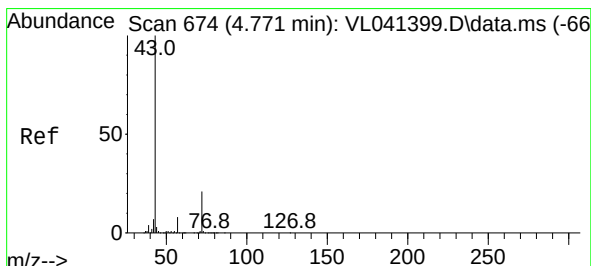
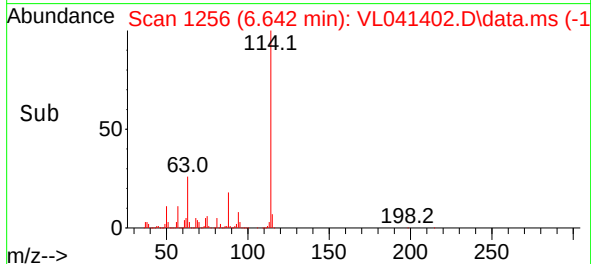
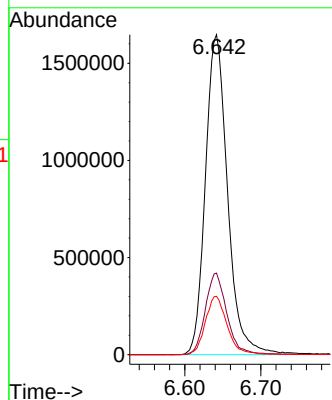
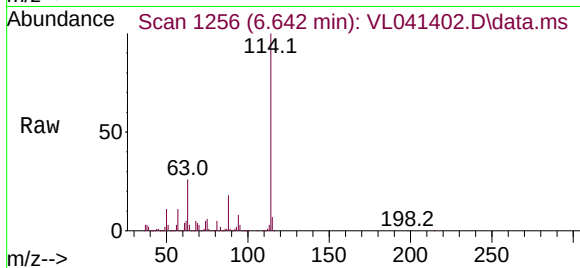
Tgt Ion:114 Resp: 3329007

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.369 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.016 min

Lab File: VL041402.D

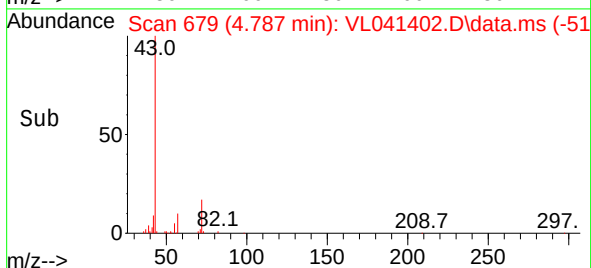
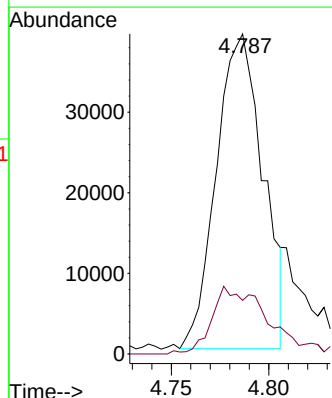
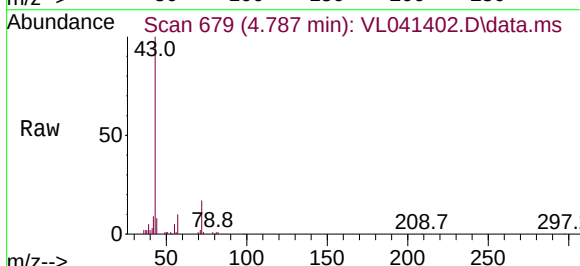
Acq: 25 Jul 2024 16:00

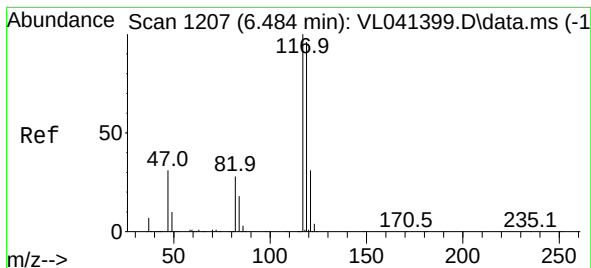
Tgt Ion: 43 Resp: 64911

Ion Ratio Lower Upper

43 100

72 25.4 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.394 ppbv

RT: 6.484 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

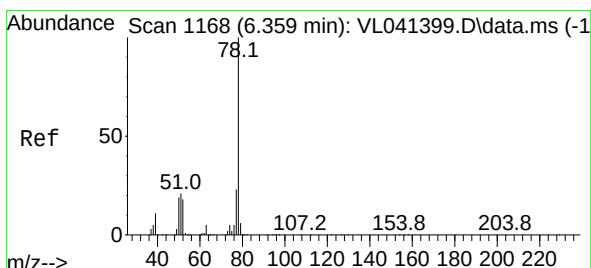
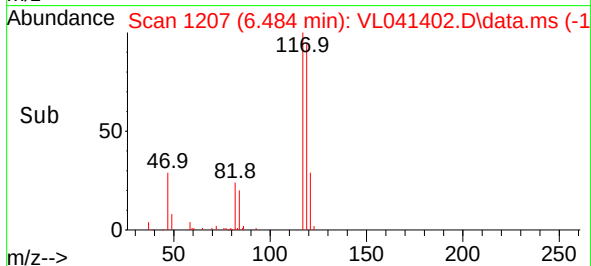
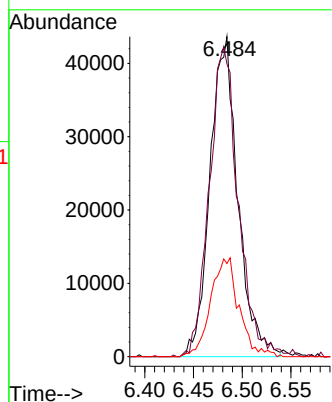
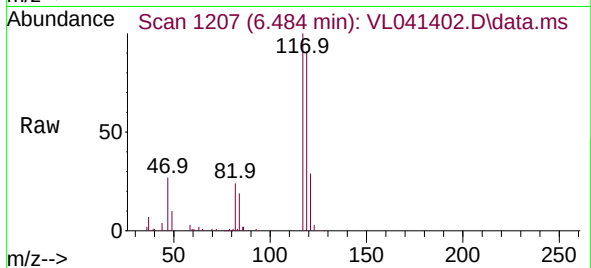
Tgt Ion:117 Resp: 86673

Ion Ratio Lower Upper

117 100

119 91.5 76.6 115.0

121 29.1 25.1 37.7



#36

Benzene

Concen: 0.430 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

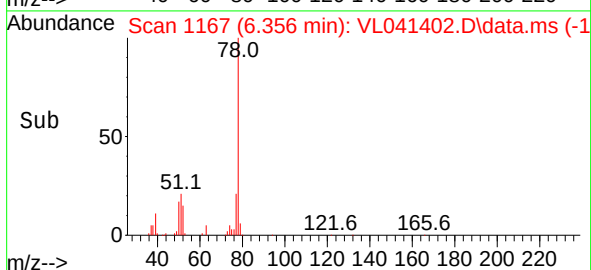
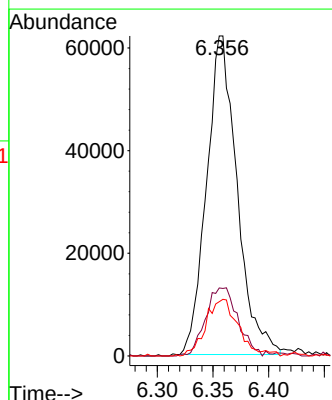
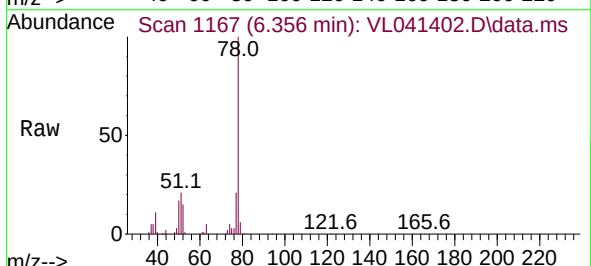
Tgt Ion: 78 Resp: 118364

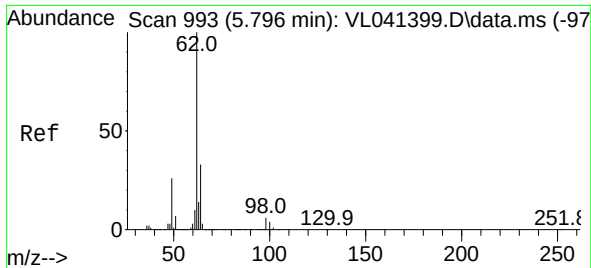
Ion Ratio Lower Upper

78 100

77 20.9 18.1 27.1

50 17.0 15.5 23.3

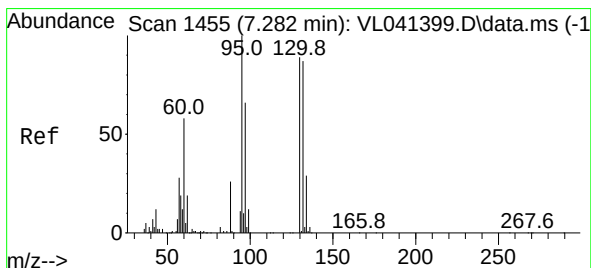
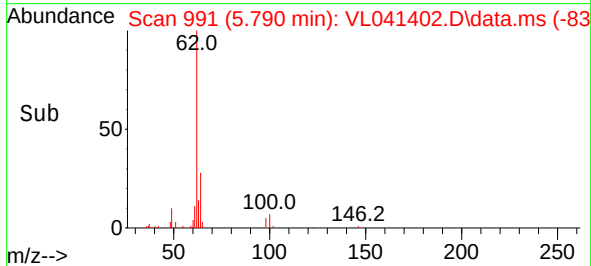
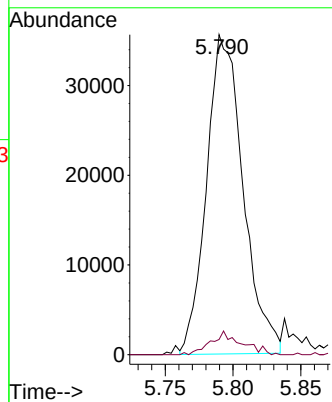
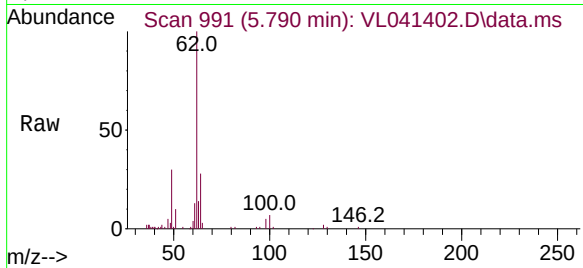




#37
1,2-Dichloroethane
Concen: 0.422 ppbv
RT: 5.790 min Scan# 991
Delta R.T. -0.007 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

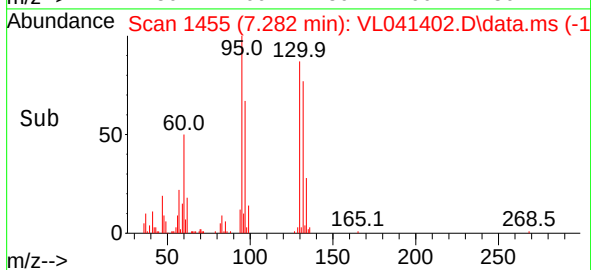
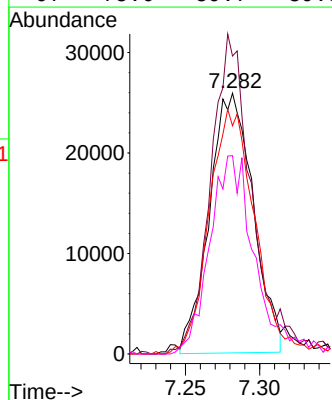
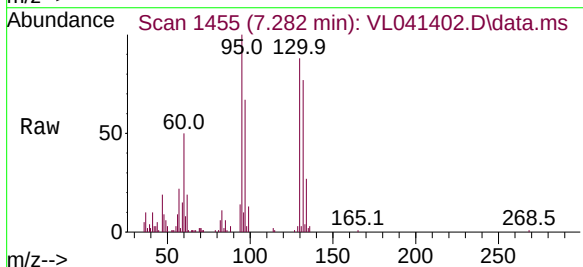
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

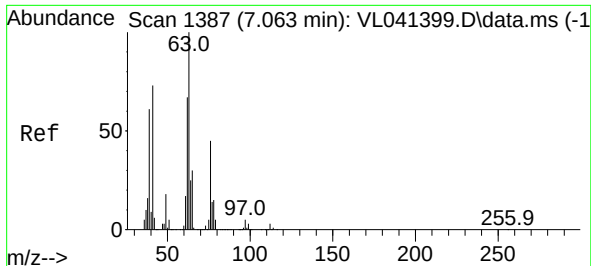
Tgt Ion: 62 Resp: 66696
Ion Ratio Lower Upper
62 100
98 6.2 5.0 7.4



#38
Trichloroethene
Concen: 0.440 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion:130 Resp: 52860
Ion Ratio Lower Upper
130 100
95 113.6 90.2 135.2
132 86.4 78.1 117.1
97 75.0 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.161 ppbv

RT: 7.053 min Scan# 14

Delta R.T. -0.010 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

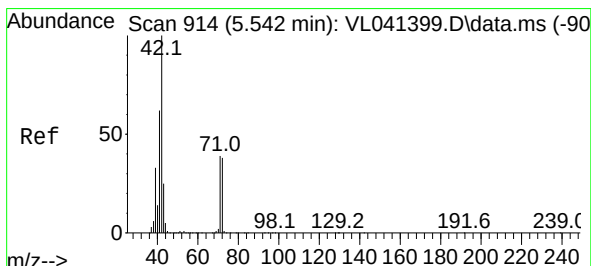
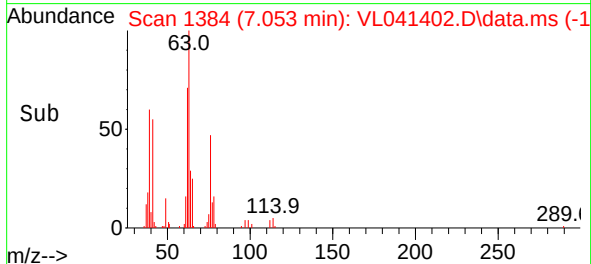
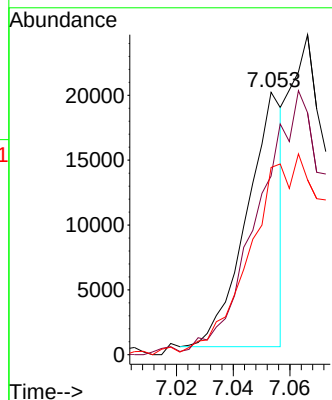
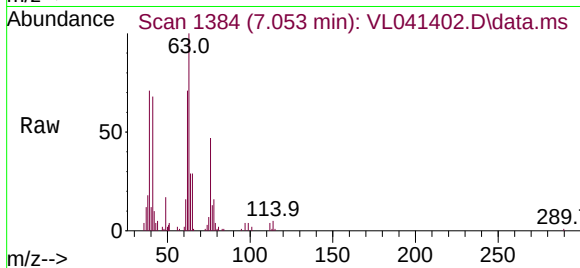
Tgt Ion: 63 Resp: 17112

Ion Ratio Lower Upper

63 100

41 68.9 58.3 87.5

62 72.6 53.9 80.9



#41

Tetrahydrofuran

Concen: 0.309 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.022 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

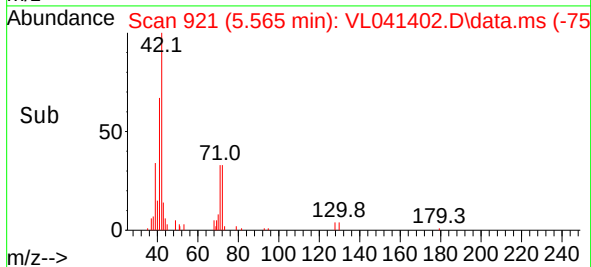
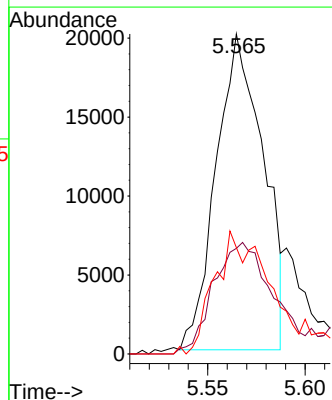
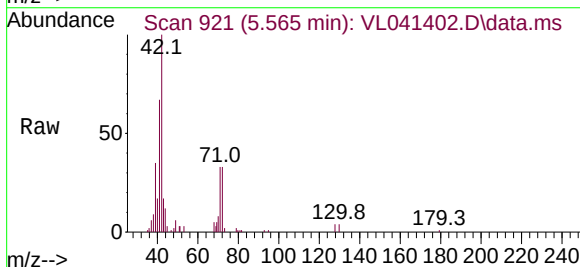
Tgt Ion: 42 Resp: 33611

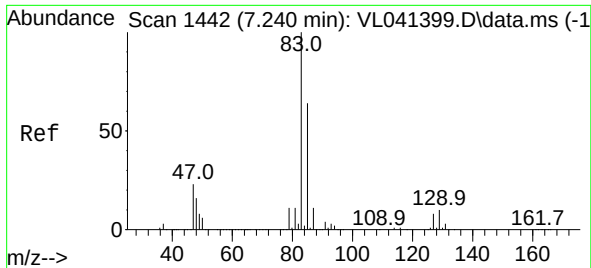
Ion Ratio Lower Upper

42 100

72 51.7 31.2 46.8#

71 50.2 30.5 45.7#

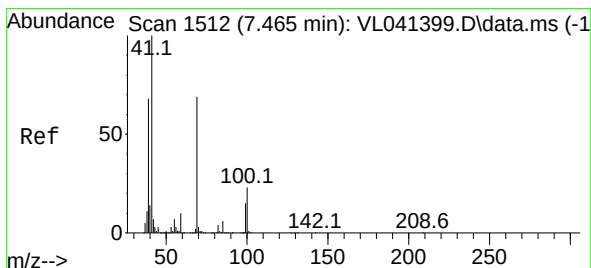
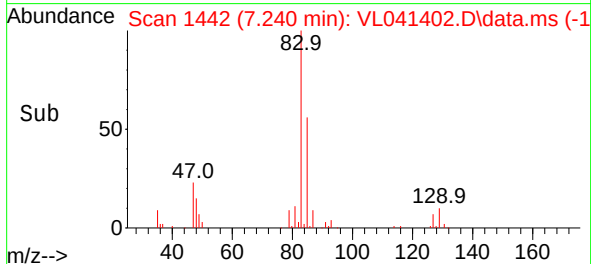
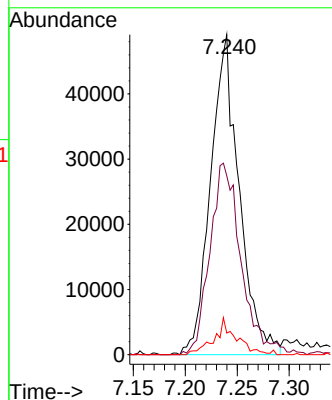
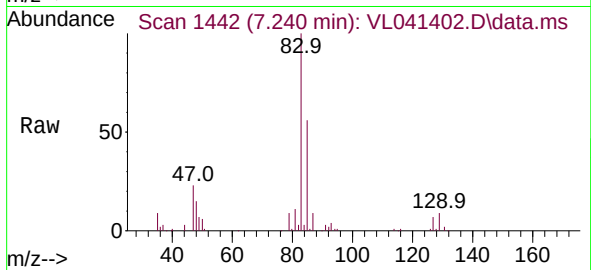




#42
Bromodichloromethane
Concen: 0.424 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

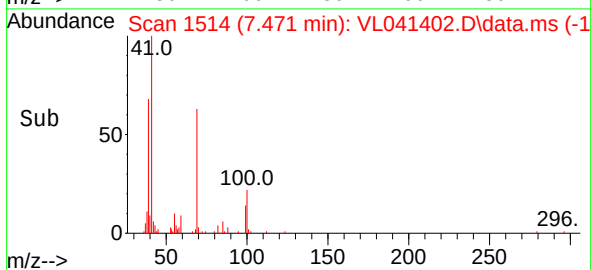
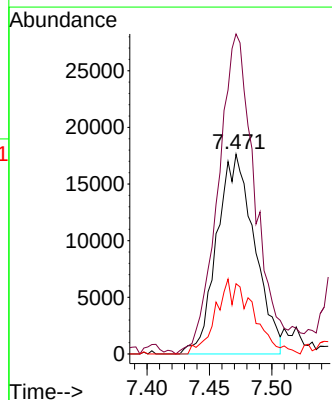
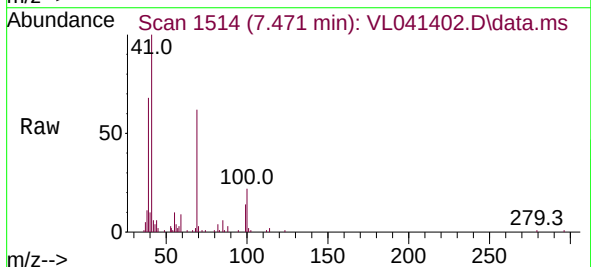
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

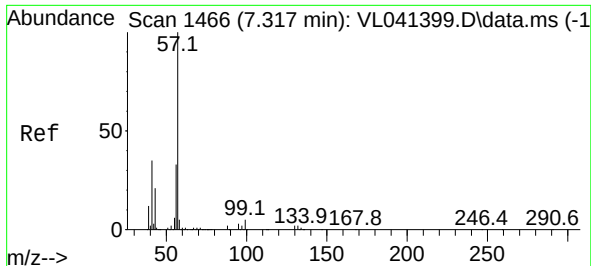
Tgt Ion: 83 Resp: 93679
Ion Ratio Lower Upper
83 100
85 55.9 51.4 77.0
127 6.7 6.7 10.1



#43
Methyl Methacrylate
Concen: 0.359 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 69 Resp: 37179
Ion Ratio Lower Upper
69 100
41 161.7 118.7 178.1
100 36.9 27.0 40.4





#44

2,2,4-Trimethylpentane

Concen: 0.414 ppbv

RT: 7.314 min Scan# 1466

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

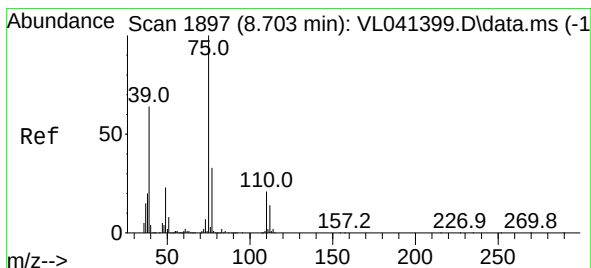
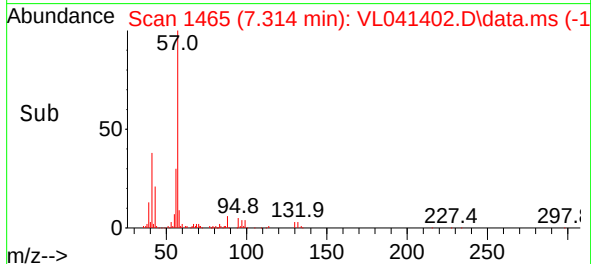
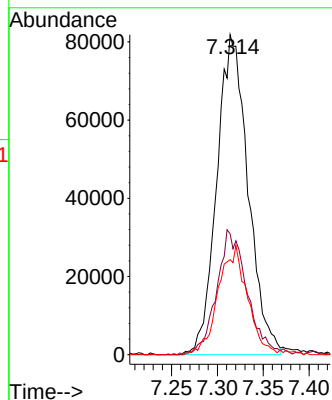
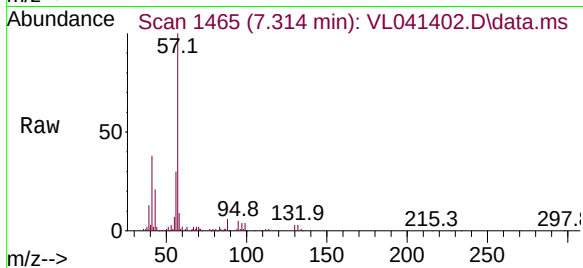
Tgt Ion: 57 Resp: 193929

Ion Ratio Lower Upper

57 100

41 38.2 27.0 40.6

56 32.4 25.2 37.8



#45

t-1,3-Dichloropropene

Concen: 0.173 ppbv

RT: 8.703 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VL041402.D

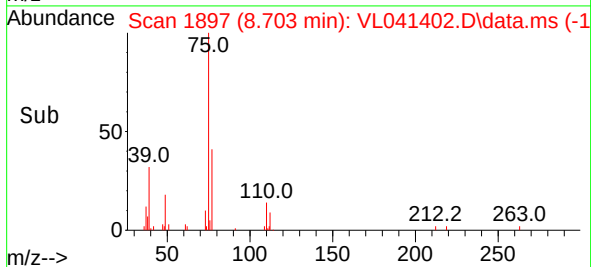
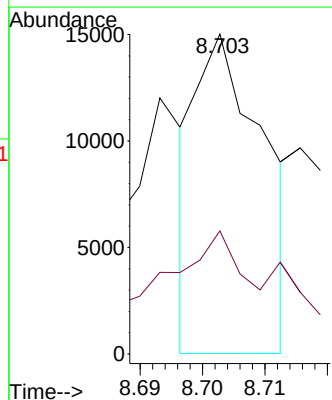
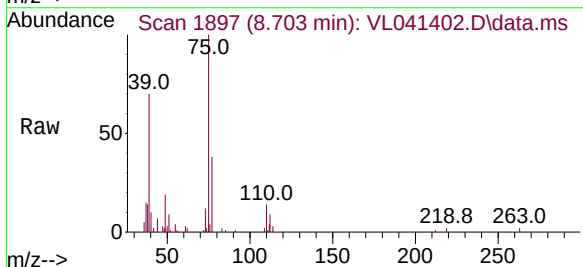
Acq: 25 Jul 2024 16:00

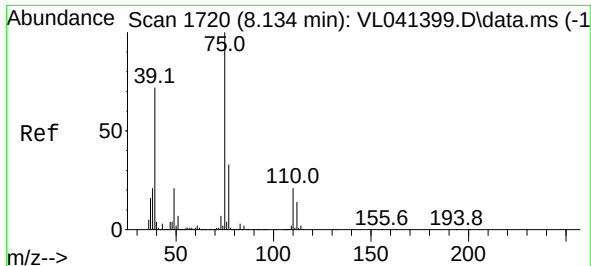
Tgt Ion: 75 Resp: 11326

Ion Ratio Lower Upper

75 100

77 36.8 26.5 39.7





#46

cis-1,3-Dichloropropene

Concen: 0.547 ppbv

RT: 8.130 min Scan# 1720

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

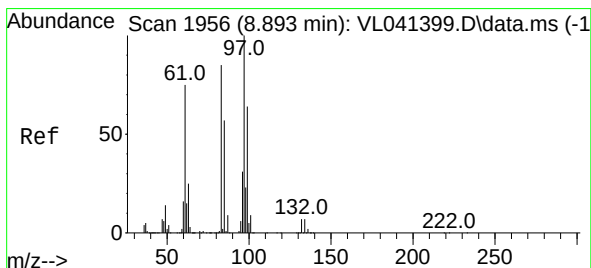
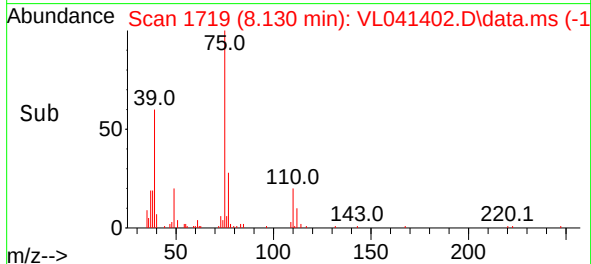
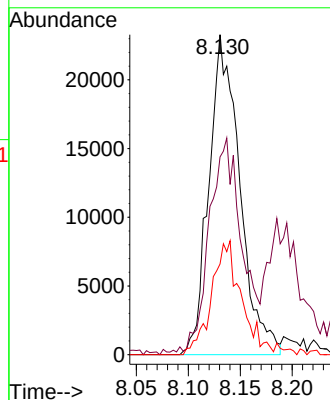
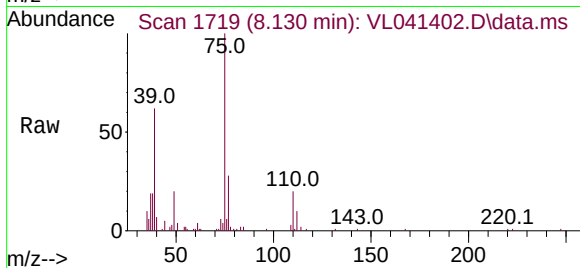
Tgt Ion: 75 Resp: 48144

Ion Ratio Lower Upper

75 100

39 59.3 57.3 85.9

77 28.4 26.2 39.2



#47

1,1,2-Trichloroethane

Concen: 0.438 ppbv

RT: 8.889 min Scan# 1955

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Tgt Ion: 97 Resp: 50007

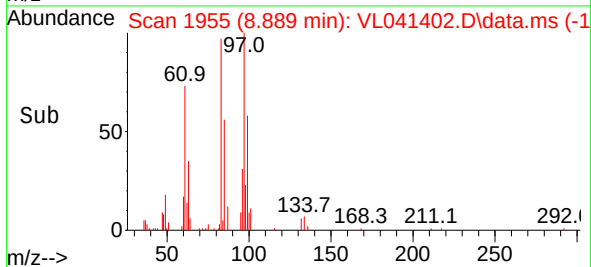
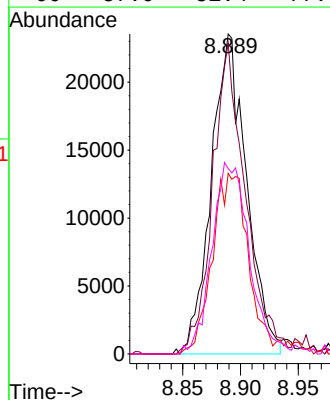
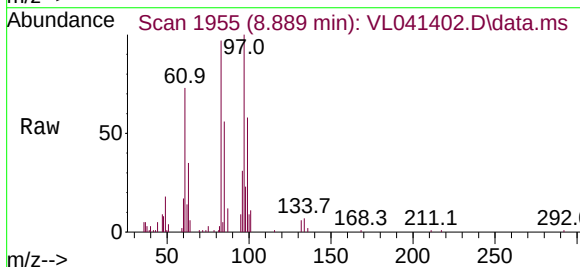
Ion Ratio Lower Upper

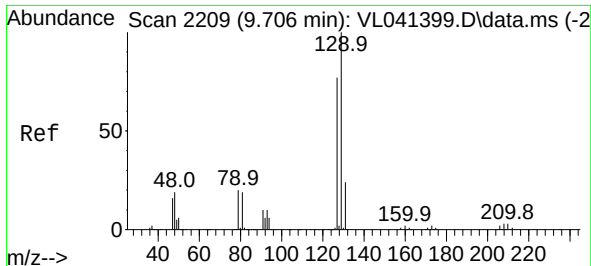
97 100

83 95.9 67.6 101.4

85 56.4 45.9 68.9

99 57.9 51.4 77.0





#48

Dibromochloromethane

Concen: 0.391 ppbv

RT: 9.700 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

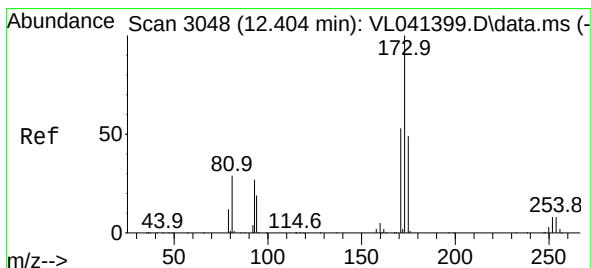
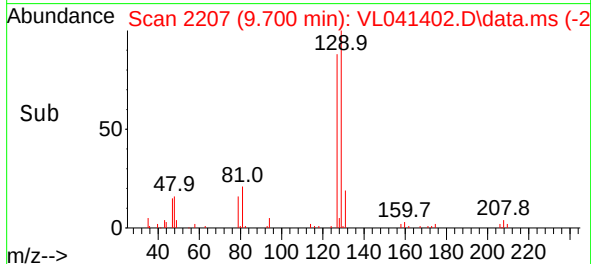
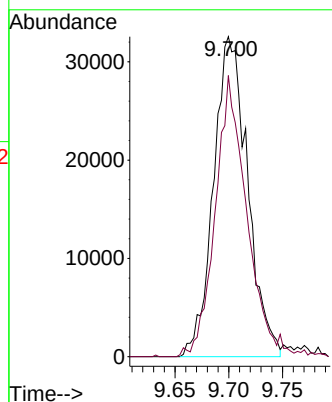
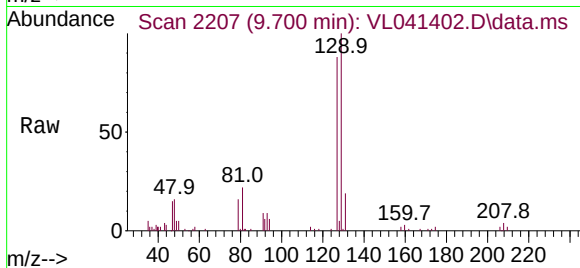
VSTDIC0.5

Tgt Ion:129 Resp: 71709

Ion Ratio Lower Upper

129 100

127 81.6 39.3 117.8



#49

Bromoform

Concen: 0.204 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. -0.007 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

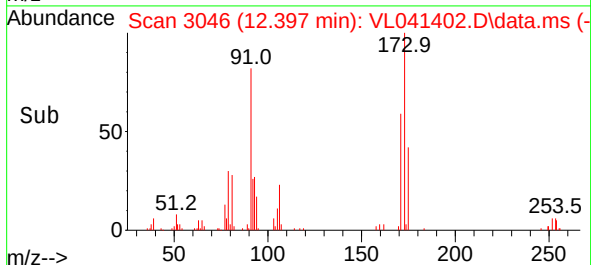
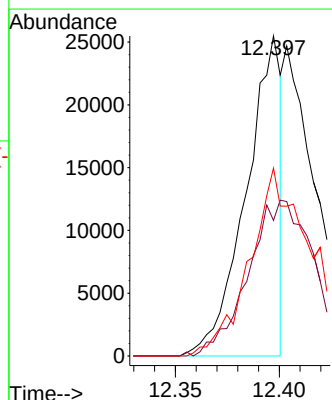
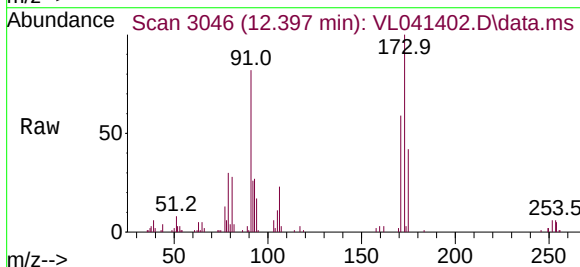
Tgt Ion:173 Resp: 29786

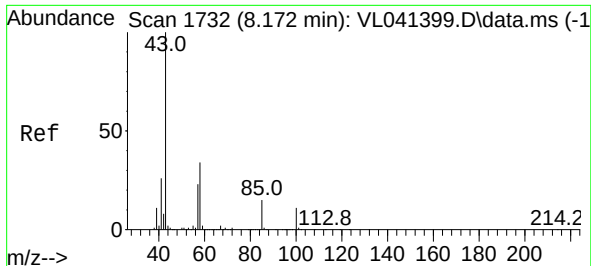
Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

171 107.1 41.7 62.5#





#50

4-Methyl-2-Pentanone

Concen: 0.239 ppbv

RT: 8.188 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

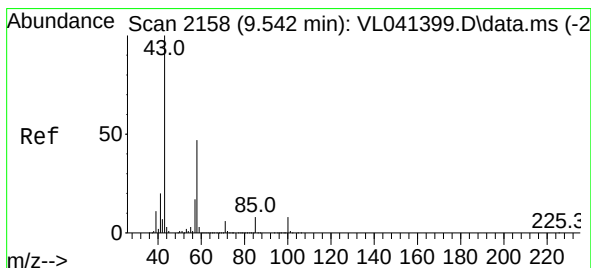
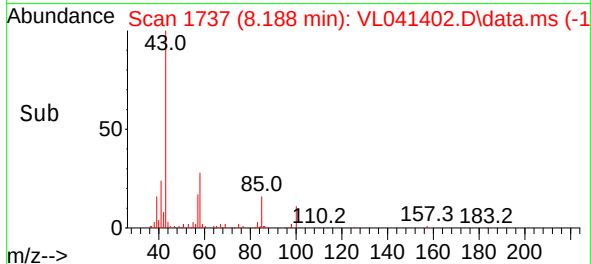
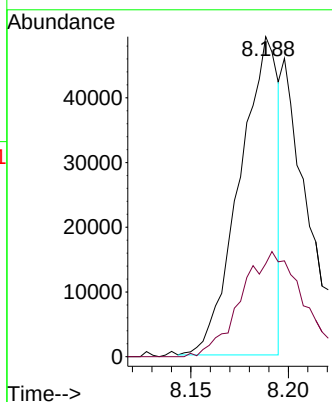
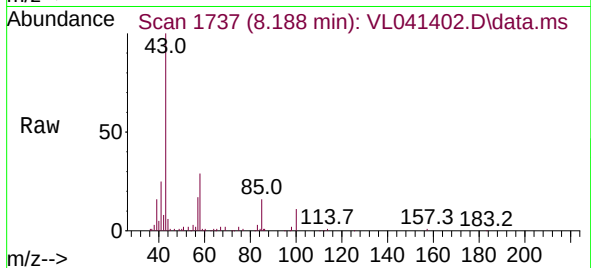
VSTDICC0.5

Tgt Ion: 43 Resp: 67382

Ion Ratio Lower Upper

43 100

58 60.2 27.9 41.9#



#51

2-Hexanone

Concen: 0.385 ppbv

RT: 9.568 min Scan# 2166

Delta R.T. 0.026 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

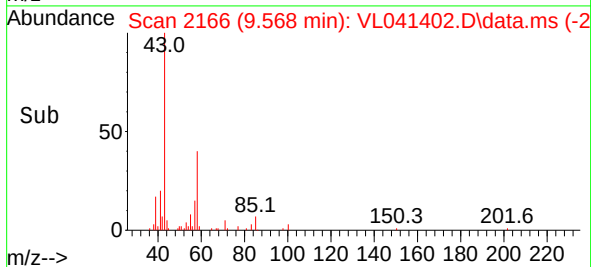
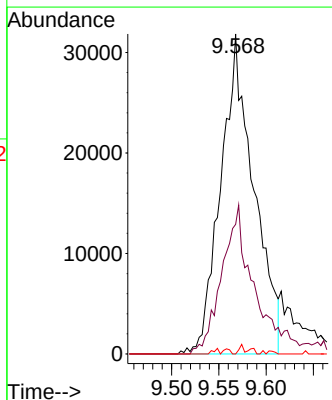
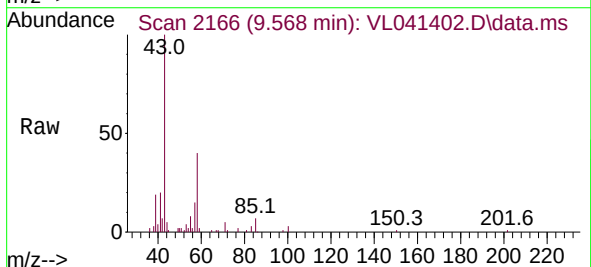
Tgt Ion: 43 Resp: 77238

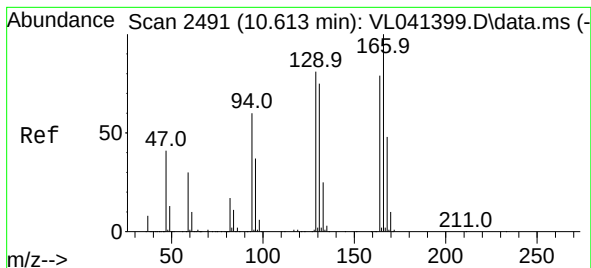
Ion Ratio Lower Upper

43 100

58 49.0 38.2 57.2

98 1.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.415 ppbv

RT: 10.606 min Scan# 2491

Delta R.T. -0.007 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 45907

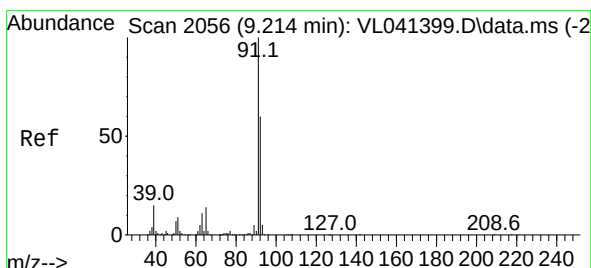
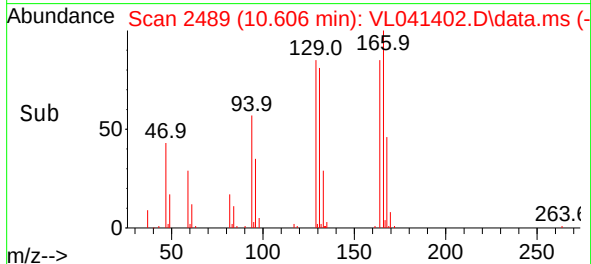
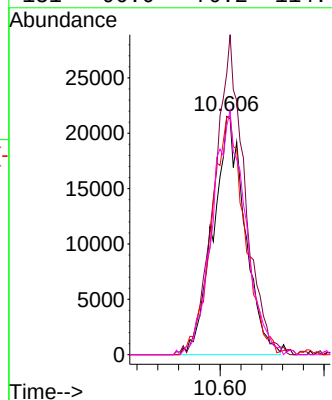
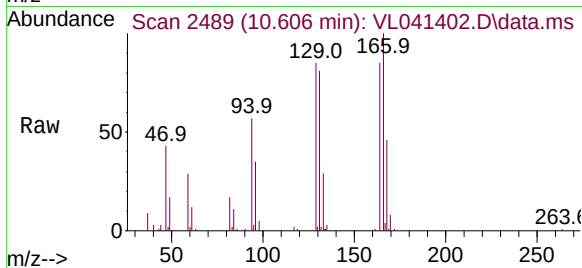
Ion Ratio Lower Upper

164 100

166 117.0 101.1 151.7

129 99.9 81.7 122.5

131 96.0 76.2 114.4



#53

Toluene

Concen: 0.215 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VL041402.D

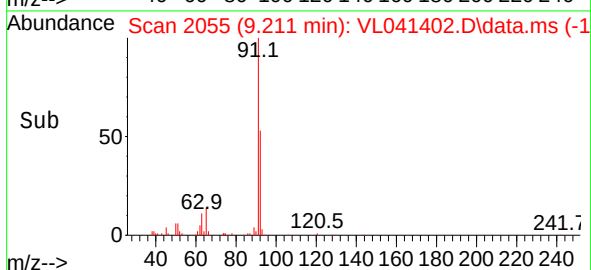
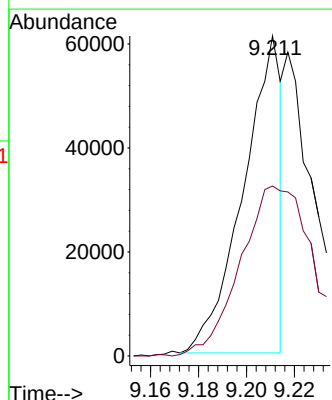
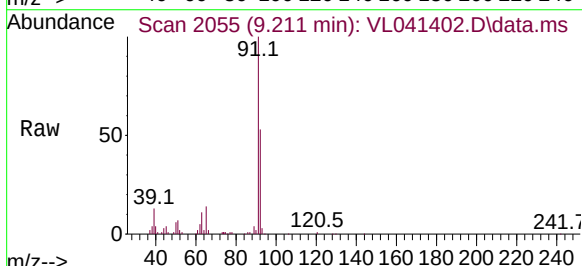
Acq: 25 Jul 2024 16:00

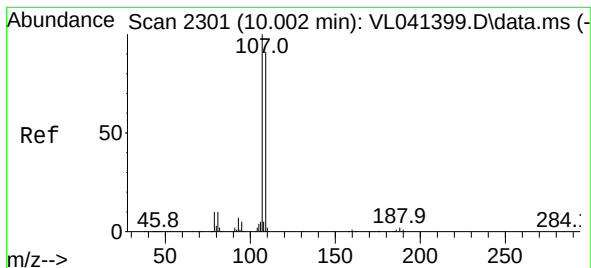
Tgt Ion: 91 Resp: 66792

Ion Ratio Lower Upper

91 100

92 108.4 48.7 73.1#

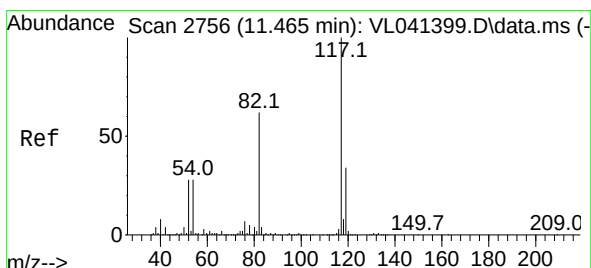
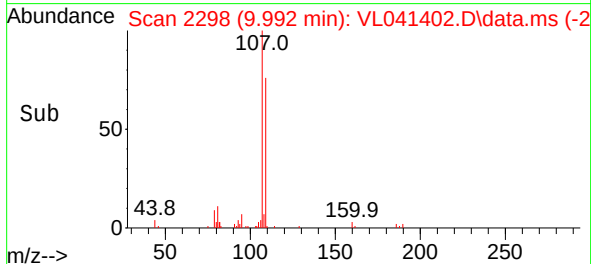
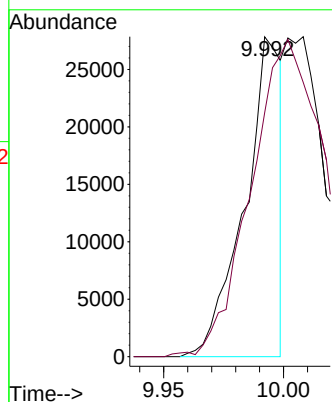
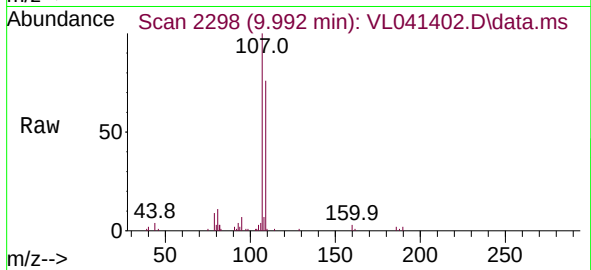




#54
1,2-Dibromoethane
Concen: 0.208 ppbv
RT: 9.992 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

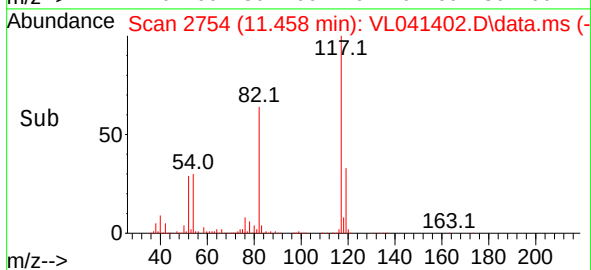
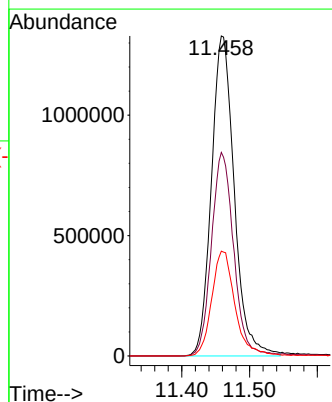
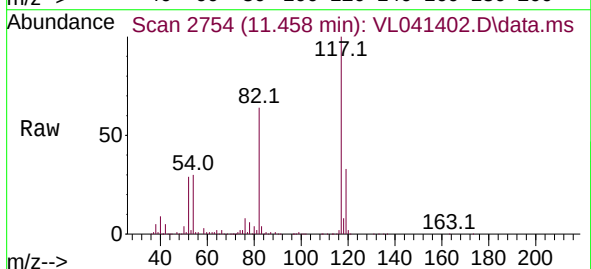
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

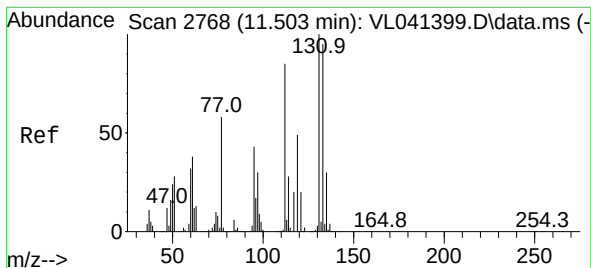
Tgt Ion:107 Resp: 29384
Ion Ratio Lower Upper
107 100
109 75.1 72.7 109.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.007 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion:117 Resp: 3110236
Ion Ratio Lower Upper
117 100
82 63.0 51.0 76.6
119 33.7 45.2 67.8#

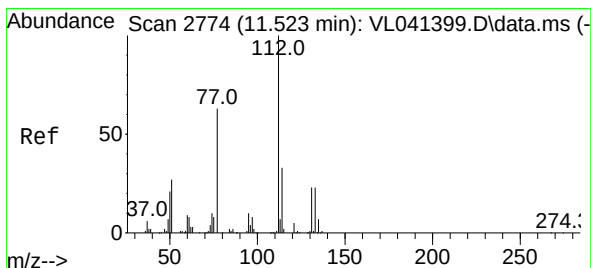
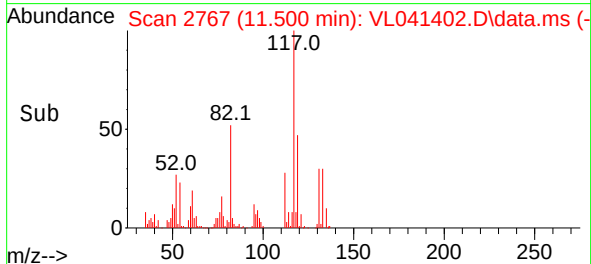
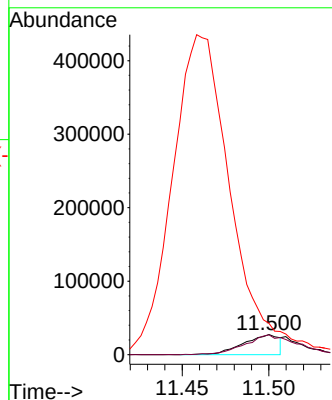
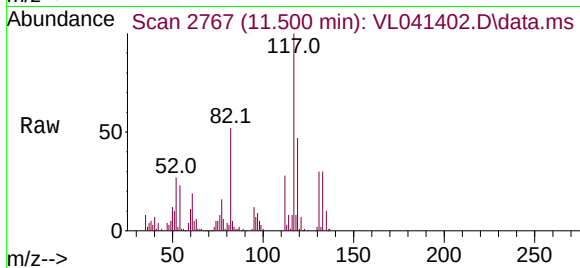




#56
1,1,1,2-Tetrachloroethane
Concen: 0.282 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

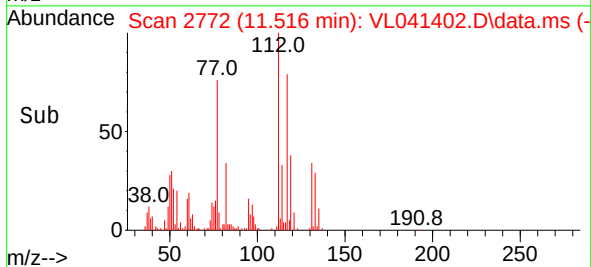
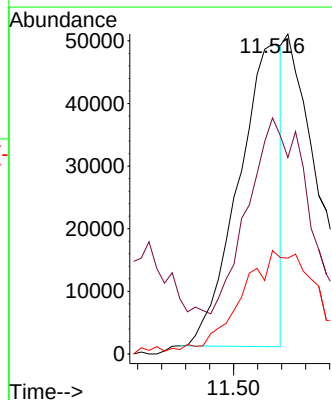
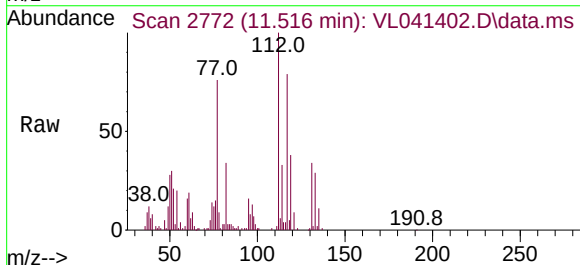
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

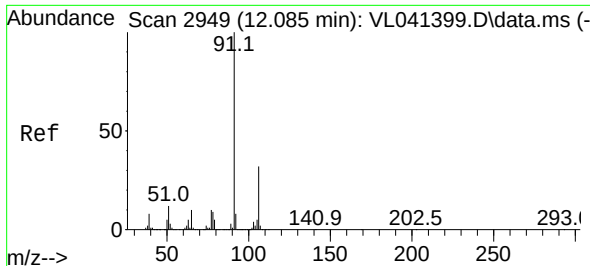
Tgt Ion:131 Resp: 39517
Ion Ratio Lower Upper
131 100
133 146.4 77.0 115.4#
119 2650.4 121.5 182.3#



#57
Chlorobenzene
Concen: 0.248 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.007 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion:112 Resp: 60558
Ion Ratio Lower Upper
112 100
77 59.9 51.1 76.7
114 32.8 29.5 36.1





#58

Ethyl Benzene

Concen: 0.409 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

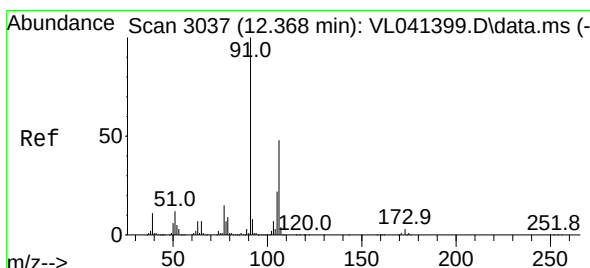
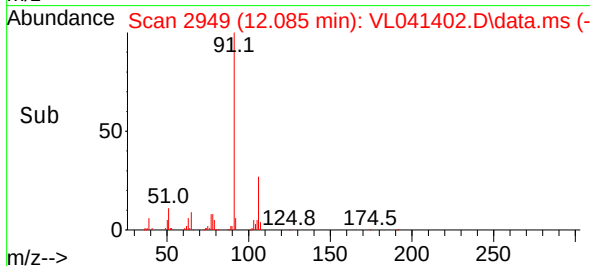
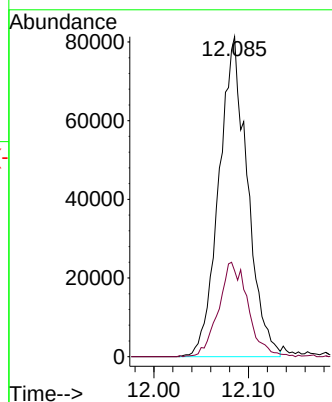
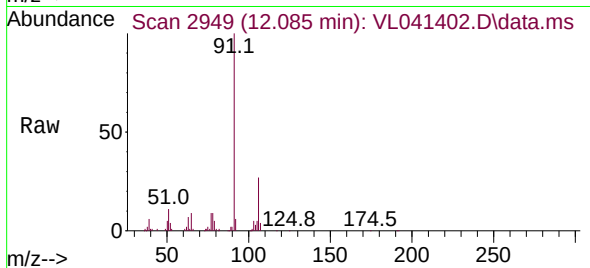
VSTDIC0.5

Tgt Ion: 91 Resp: 170346

Ion Ratio Lower Upper

91 100

106 26.5 25.8 38.8



#59

m/p-Xylene

Concen: 0.260 ppbv

RT: 12.365 min Scan# 3036

Delta R.T. -0.003 min

Lab File: VL041402.D

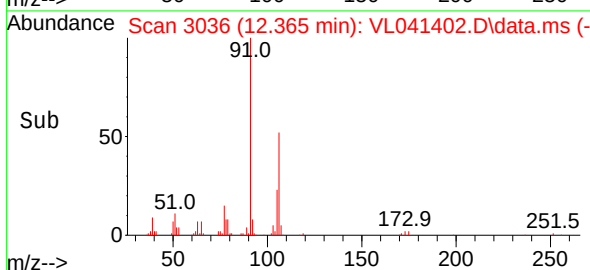
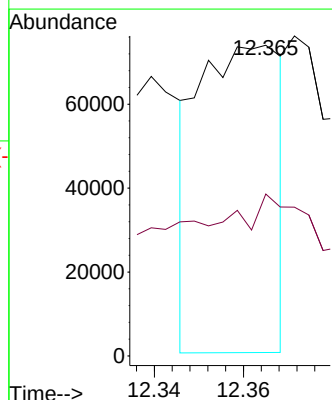
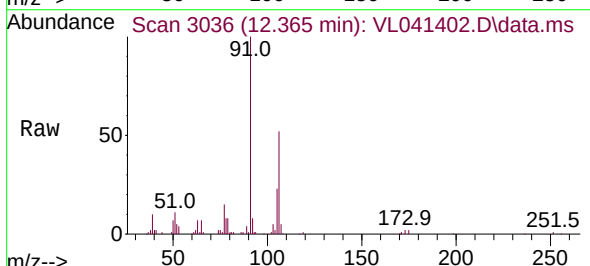
Acq: 25 Jul 2024 16:00

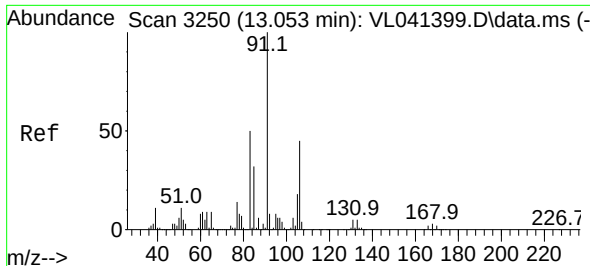
Tgt Ion: 91 Resp: 93537

Ion Ratio Lower Upper

91 100

106 141.7 36.3 54.5#





#60

o-Xylene

Concen: 0.217 ppbv

RT: 13.050 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

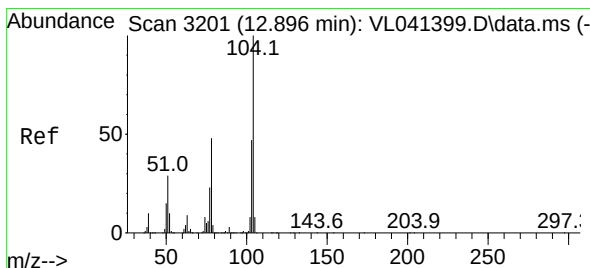
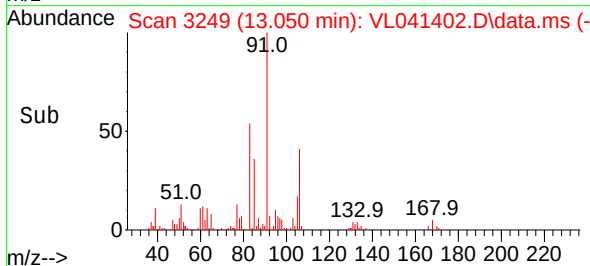
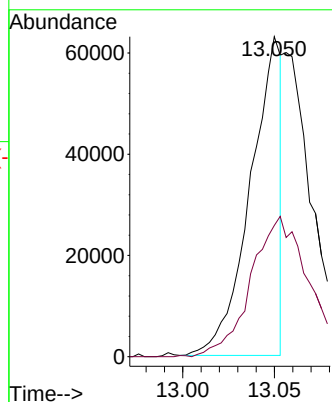
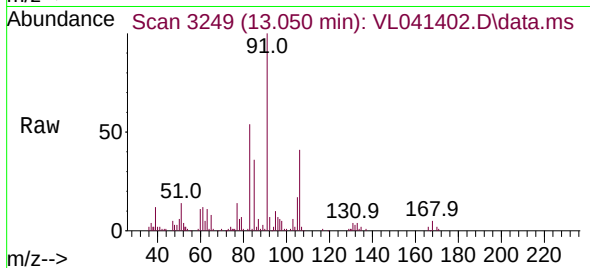
VSTDIC0.5

Tgt Ion: 91 Resp: 73862

Ion Ratio Lower Upper

91 100

106 0.0 23.1 69.3#



#61

Styrene

Concen: 0.328 ppbv

RT: 12.892 min Scan# 3200

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

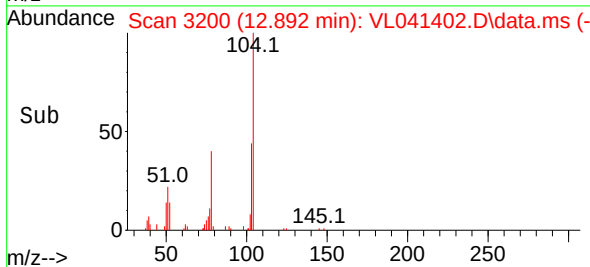
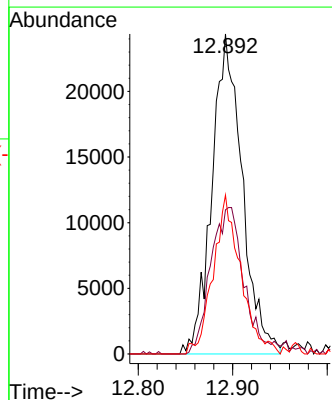
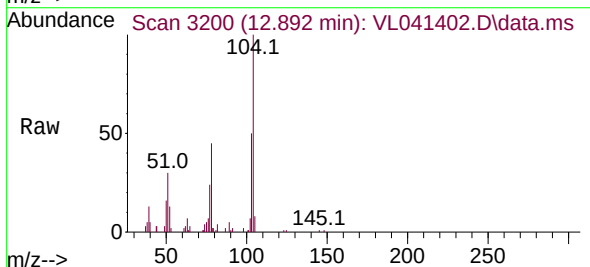
Tgt Ion: 104 Resp: 54180

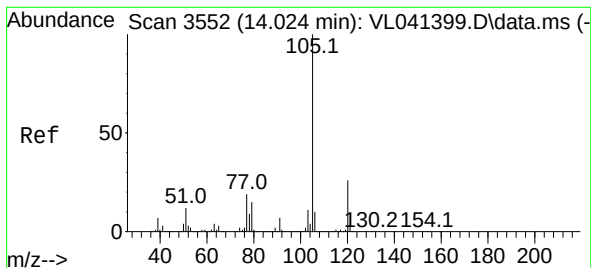
Ion Ratio Lower Upper

104 100

78 52.2 40.8 61.2

103 45.5 38.2 57.4





#62

Isopropylbenzene

Concen: 0.409 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_1

ClientSampleId :

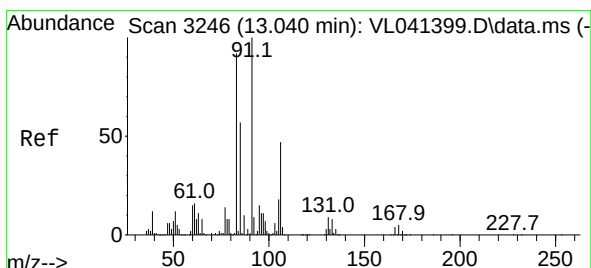
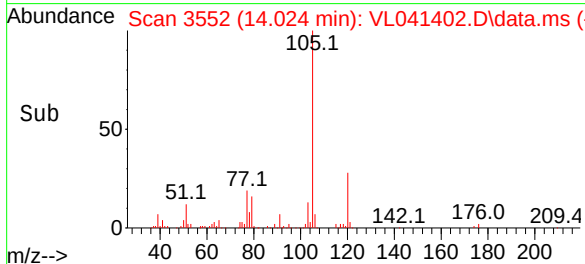
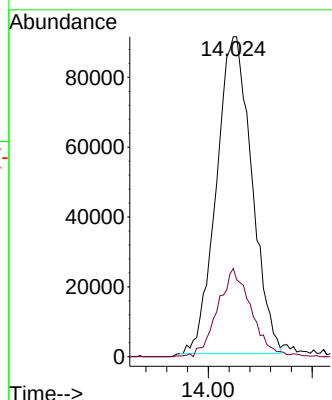
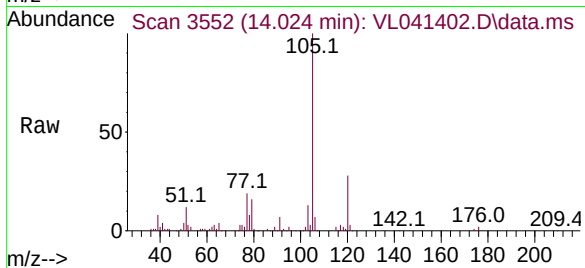
VSTDIC0.5

Tgt Ion:105 Resp: 214544

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4



#63

1,1,2,2-Tetrachloroethane

Concen: 0.150 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

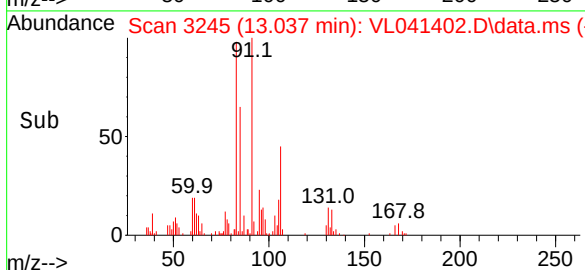
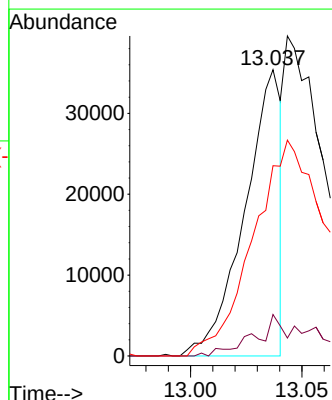
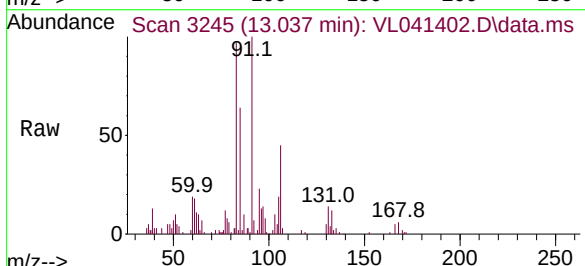
Tgt Ion: 83 Resp: 40267

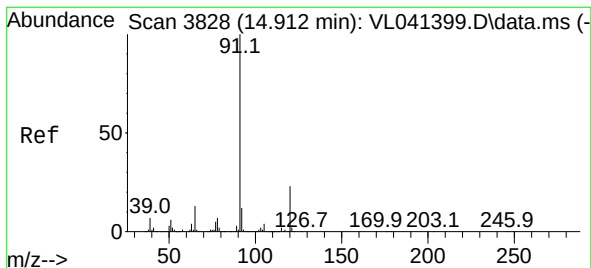
Ion Ratio Lower Upper

83 100

131 24.2 4.8 14.4#

85 0.0 32.6 98.0#





#64

n-propylbenzene

Concen: 0.277 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. -0.000 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_1

ClientSampleId :

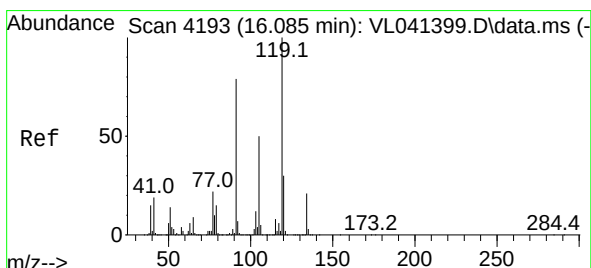
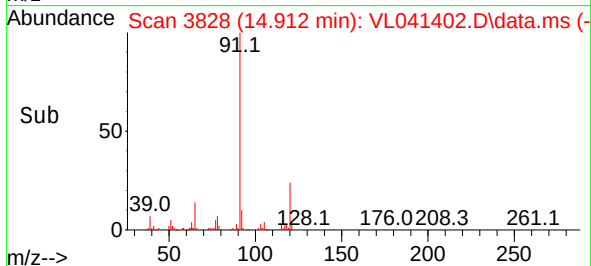
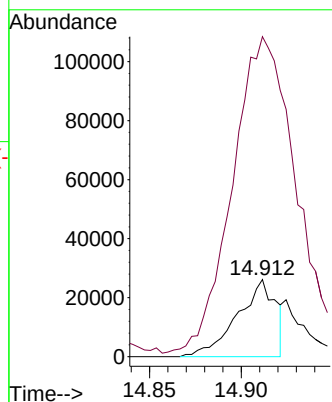
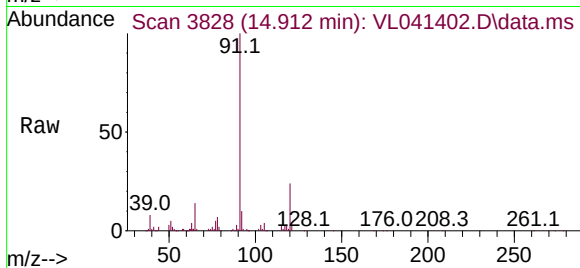
VSTDIC0.5

Tgt Ion:120 Resp: 37964

Ion Ratio Lower Upper

120 100

91 706.3 361.4 542.0#



#65

tert-Butylbenzene

Concen: 0.407 ppbv

RT: 16.088 min Scan# 4194

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

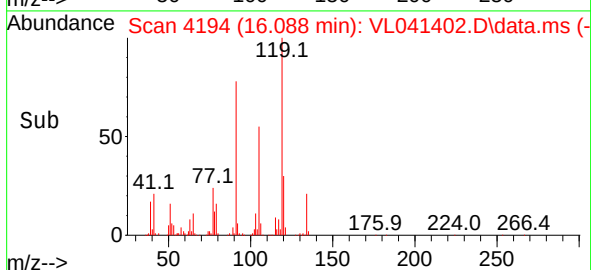
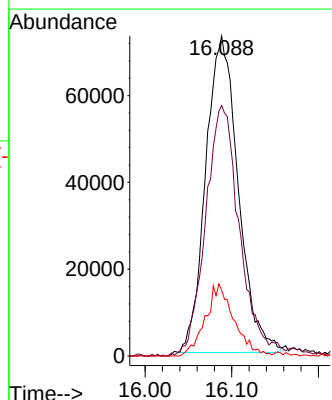
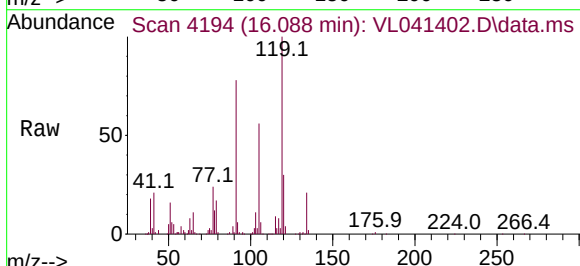
Tgt Ion:119 Resp: 190258

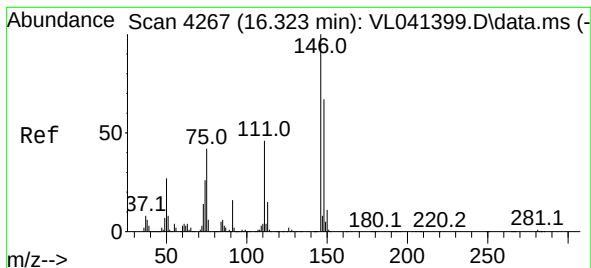
Ion Ratio Lower Upper

119 100

91 84.5 64.2 96.2

134 20.6 15.7 23.5

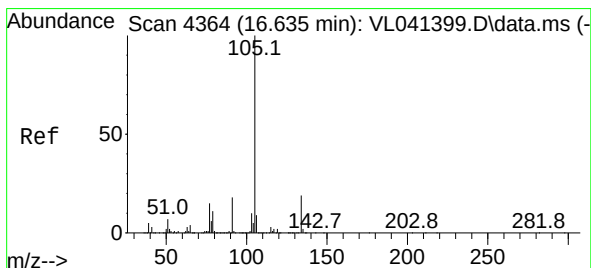
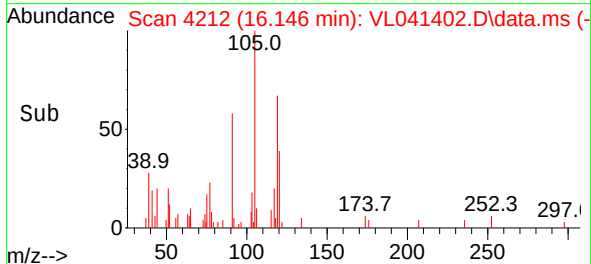
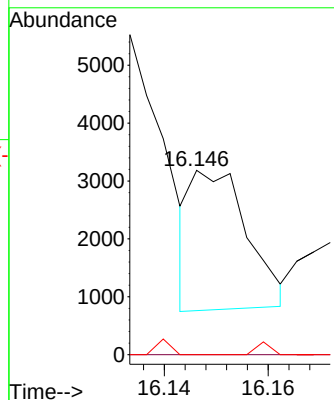
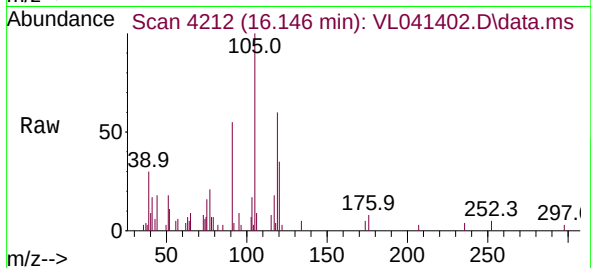




#66
Benzyl Chloride
Concen: 0.059 ppbv
RT: 16.146 min Scan# 41
Delta R.T. -0.177 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

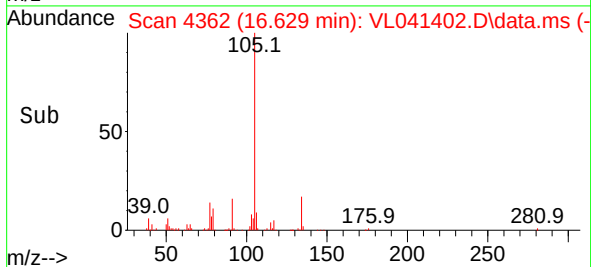
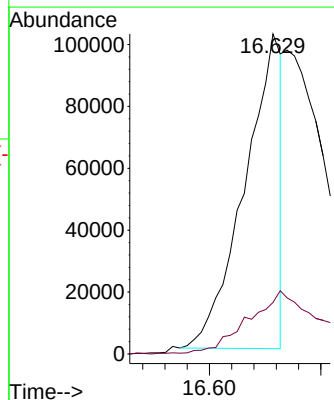
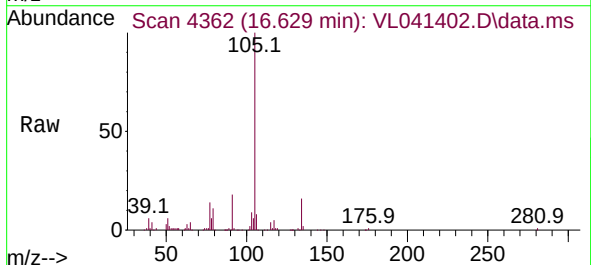
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

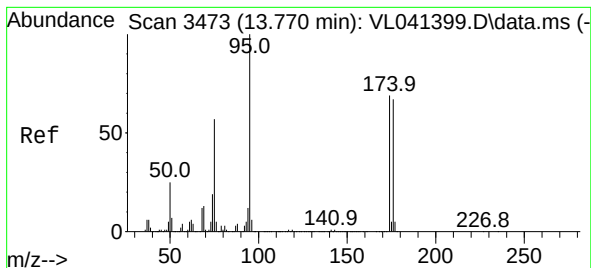
Tgt Ion: 91 Resp: 1821
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.8#
128 10.2 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.177 ppbv
RT: 16.629 min Scan# 4362
Delta R.T. -0.007 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion:105 Resp: 117117
Ion Ratio Lower Upper
105 100
134 0.0 14.5 21.7#

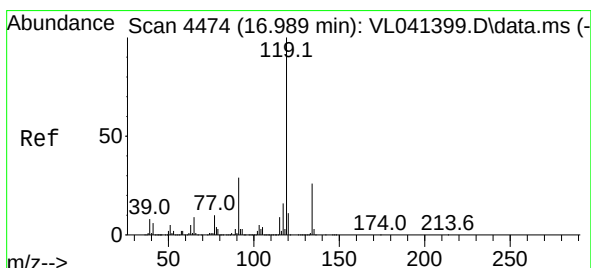
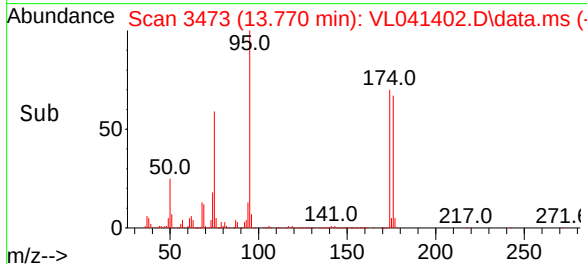
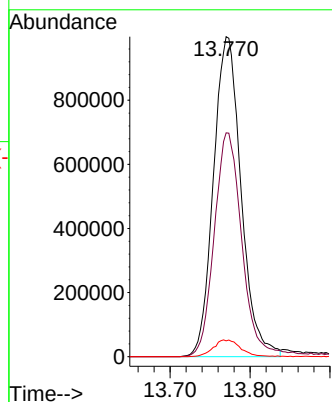
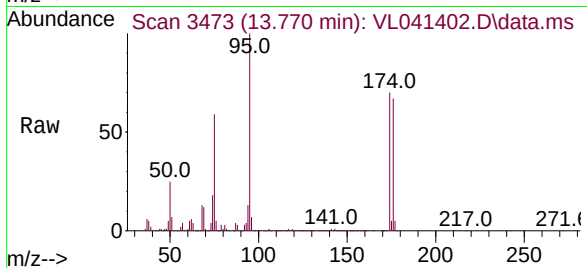




#68
1-Bromo-4-Fluorobenzene
Concen: 10.274 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

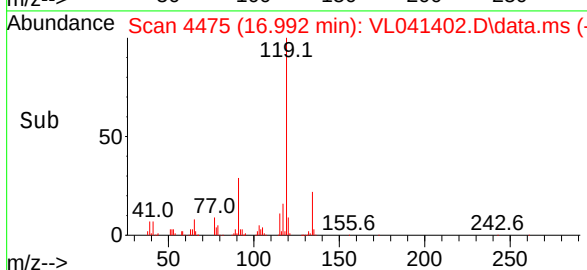
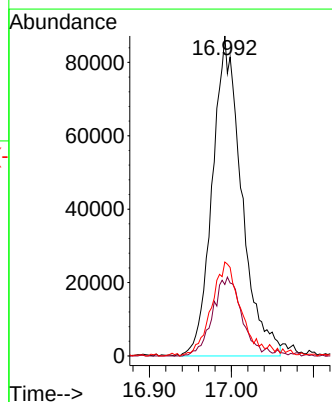
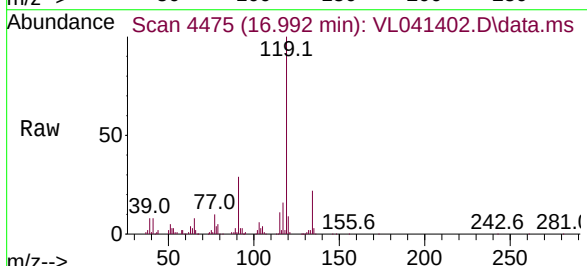
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

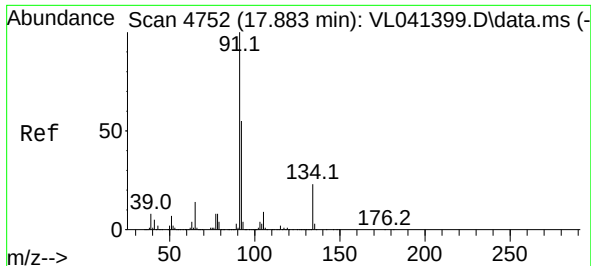
Tgt Ion: 95 Resp: 2394911
Ion Ratio Lower Upper
95 100
174 70.5 56.3 84.5
175 5.3 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.396 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion: 119 Resp: 215940
Ion Ratio Lower Upper
119 100
134 25.5 20.5 30.7
91 31.4 23.2 34.8





#70

n-Butylbenzene

Concen: 0.381 ppbv

RT: 17.886 min Scan# 4752

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

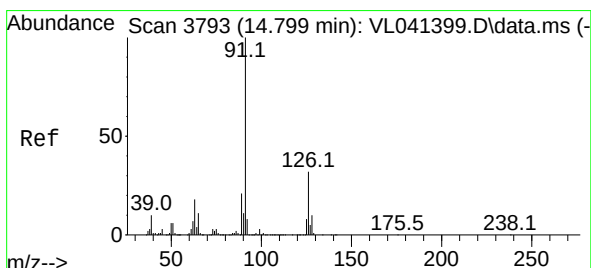
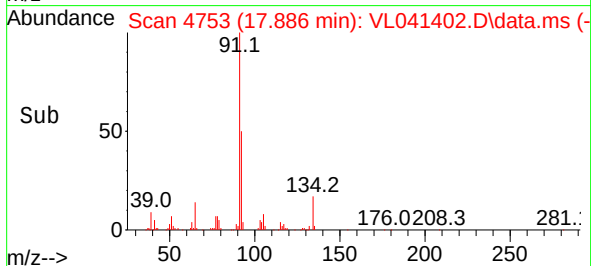
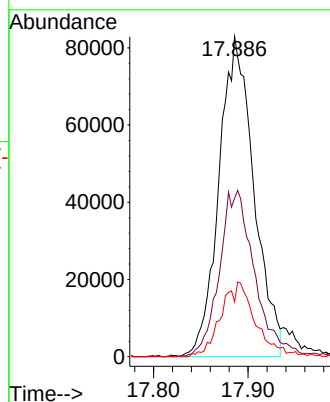
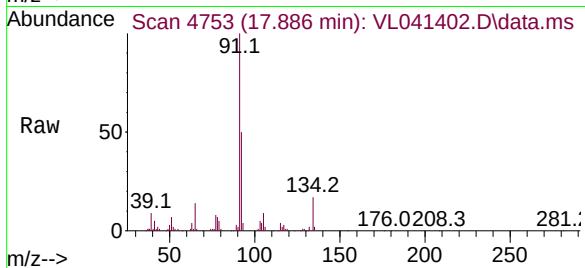
Tgt Ion: 91 Resp: 212575

Ion Ratio Lower Upper

91 100

92 53.4 43.2 64.8

134 23.5 18.5 27.7



#71

2-Chlorotoluene

Concen: 0.413 ppbv

RT: 14.799 min Scan# 3793

Delta R.T. -0.000 min

Lab File: VL041402.D

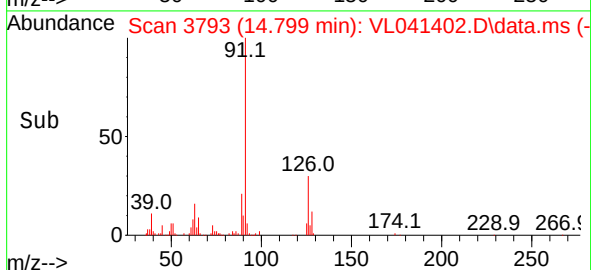
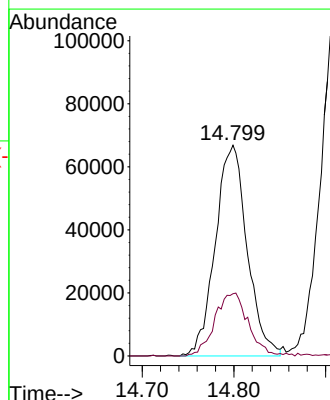
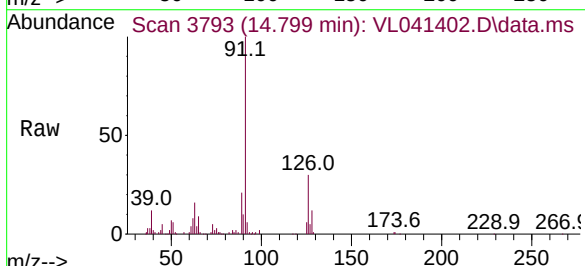
Acq: 25 Jul 2024 16:00

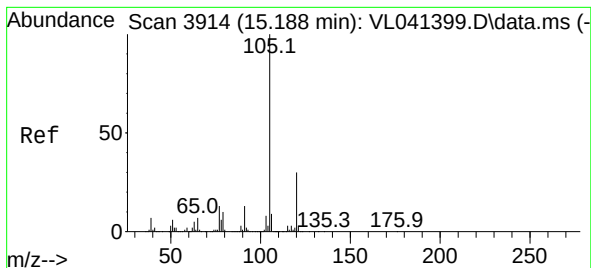
Tgt Ion: 91 Resp: 161067

Ion Ratio Lower Upper

91 100

126 31.4 12.7 50.9





#72

4-Ethyltoluene

Concen: 0.370 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 149868

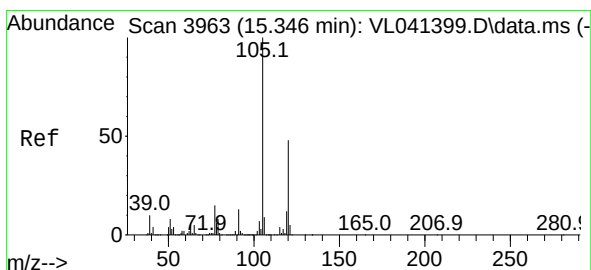
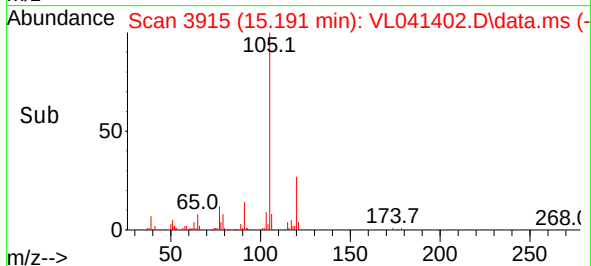
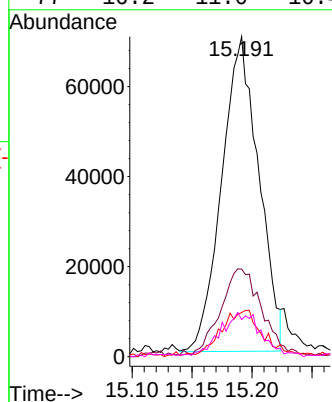
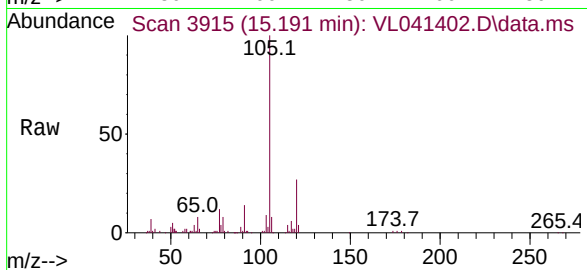
Ion Ratio Lower Upper

105 100

120 33.5 24.2 36.2

91 16.8 10.4 15.6#

77 16.2 11.0 16.4



#73

1,3,5-Trimethylbenzene

Concen: 0.204 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VL041402.D

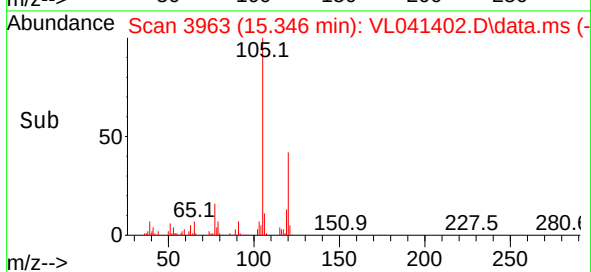
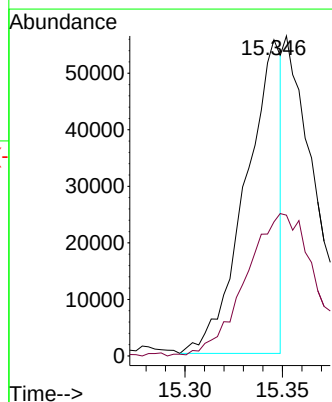
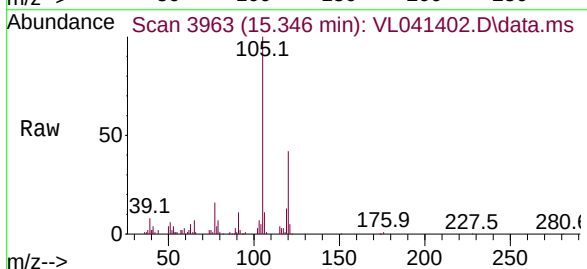
Acq: 25 Jul 2024 16:00

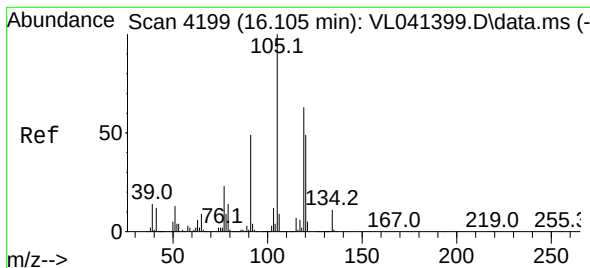
Tgt Ion:105 Resp: 70702

Ion Ratio Lower Upper

105 100

120 42.2 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.425 ppbv

RT: 16.101 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 165986

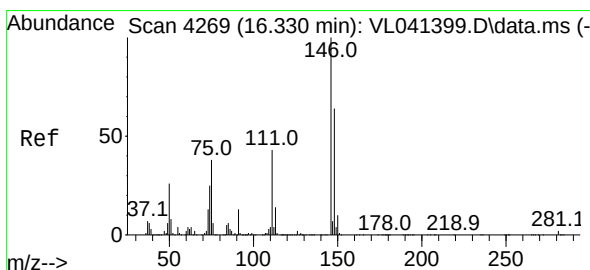
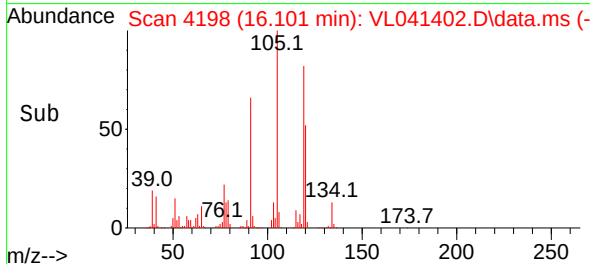
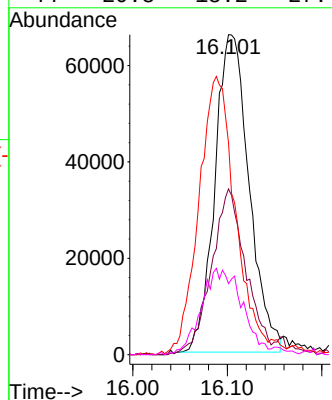
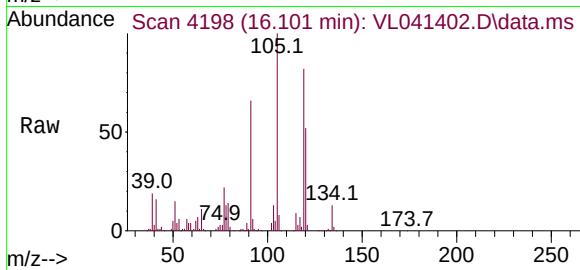
Ion Ratio Lower Upper

105 100

120 51.0 39.5 59.3

91 63.7 39.8 59.8#

77 20.8 18.2 27.4



#75

1,3-Dichlorobenzene

Concen: 0.236 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. -0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

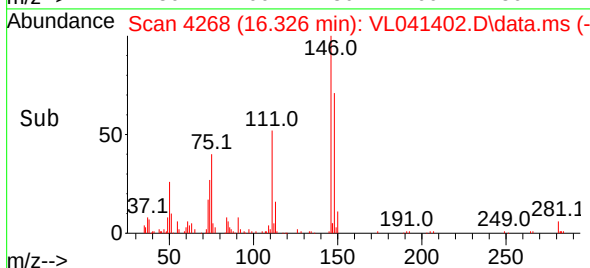
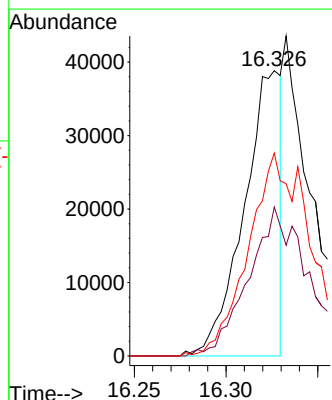
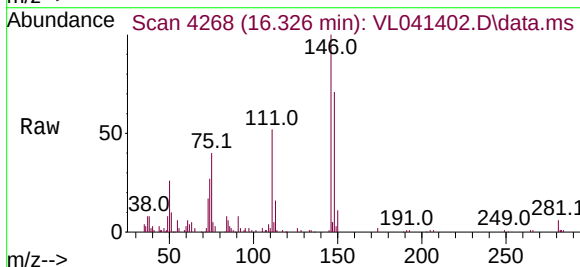
Tgt Ion:146 Resp: 54557

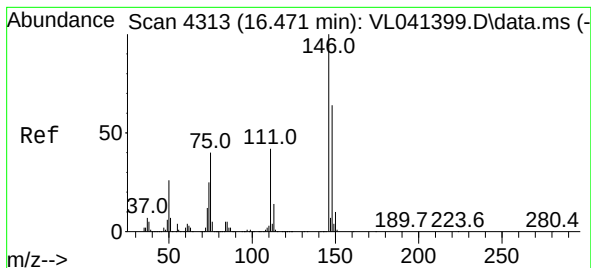
Ion Ratio Lower Upper

146 100

111 91.6 22.6 67.8#

148 131.0 32.3 96.8#





#76

1,4-Dichlorobenzene

Concen: 0.242 ppbv

RT: 16.465 min Scan# 4313

Delta R.T. -0.007 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

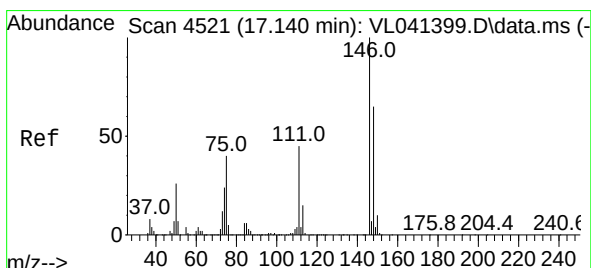
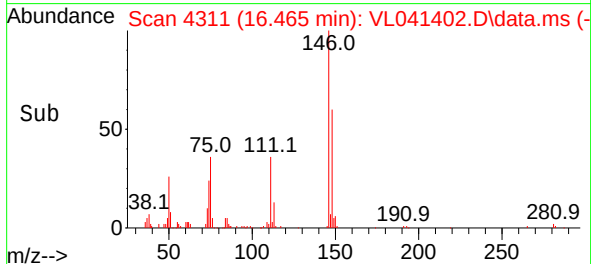
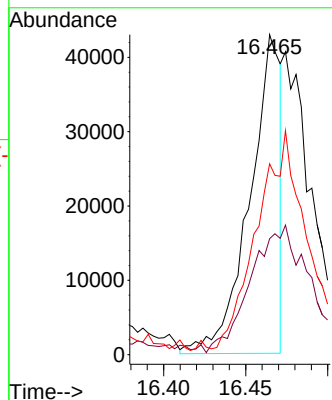
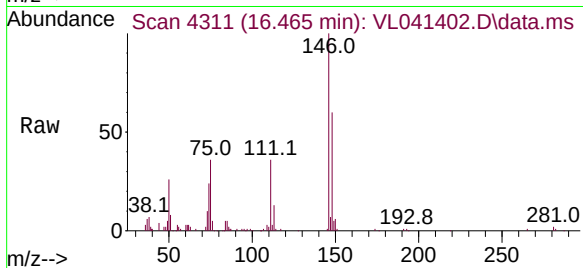
Tgt Ion:146 Resp: 55758

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

148 0.0 33.1 99.5#



#77

1,2-Dichlorobenzene

Concen: 0.444 ppbv

RT: 17.143 min Scan# 4522

Delta R.T. 0.003 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

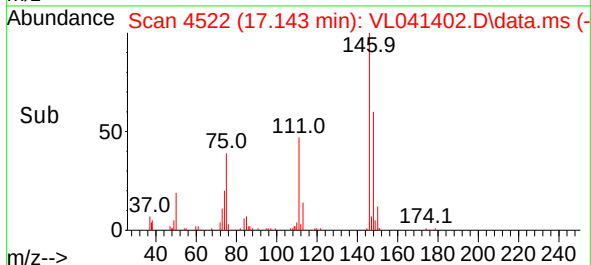
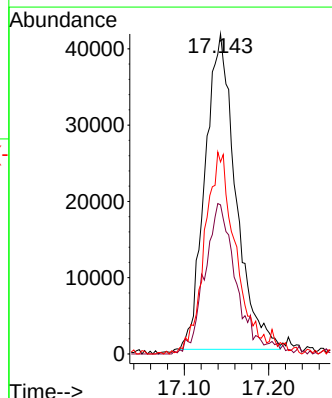
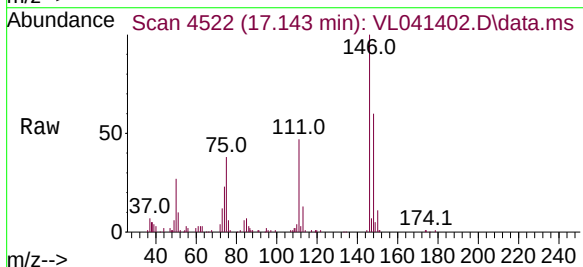
Tgt Ion:146 Resp: 104861

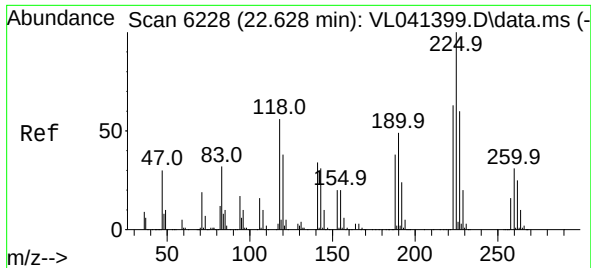
Ion Ratio Lower Upper

146 100

111 49.8 23.4 70.0

148 67.4 32.2 96.6

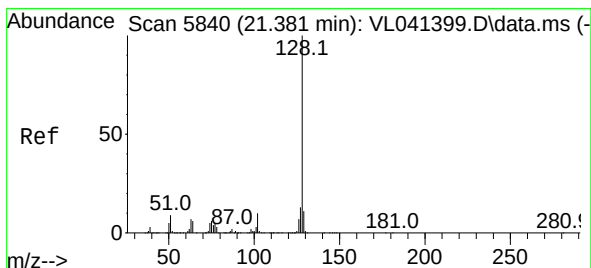
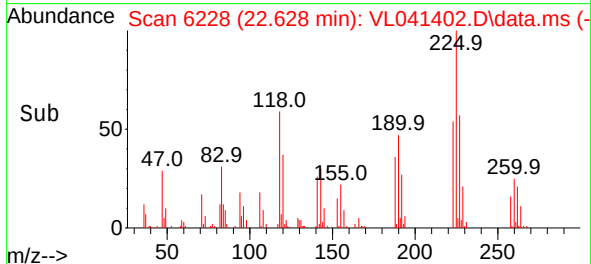
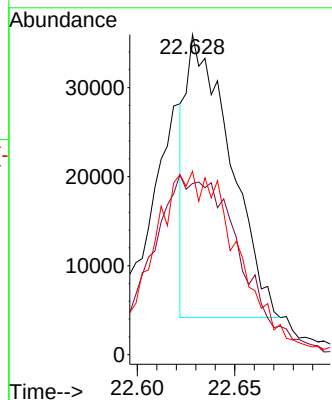
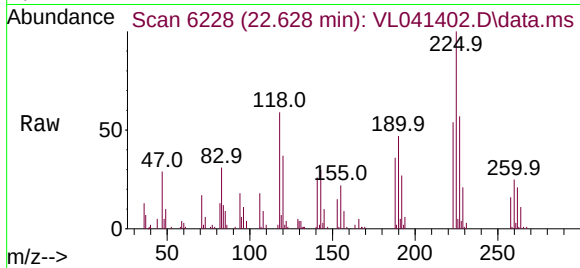




#78
Hexachloro-1,3-Butadiene
Concen: 0.292 ppbv
RT: 22.628 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

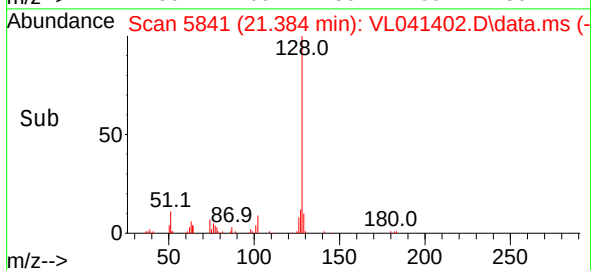
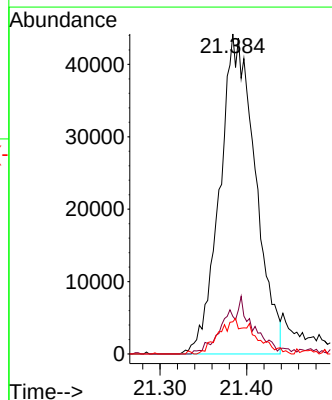
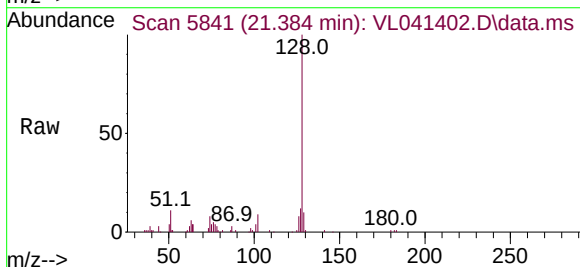
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

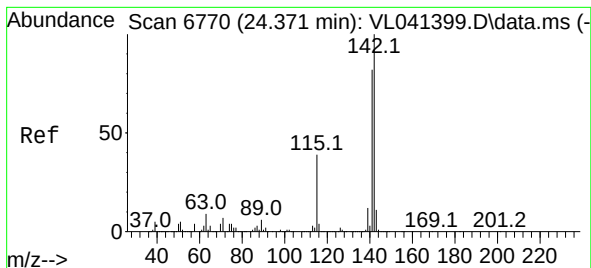
Tgt Ion:225 Resp: 50067
Ion Ratio Lower Upper
225 100
223 131.3 50.6 76.0#
227 128.2 50.8 76.2#



#79
Naphthalene
Concen: 0.601 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. 0.003 min
Lab File: VL041402.D
Acq: 25 Jul 2024 16:00

Tgt Ion:128 Resp: 126192
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 10.0 9.0 13.4





#80

Naphthalene, 2-methyl-

Concen: 106.249 ppbv

RT: 24.377 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

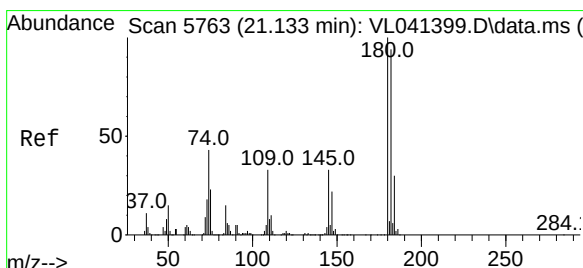
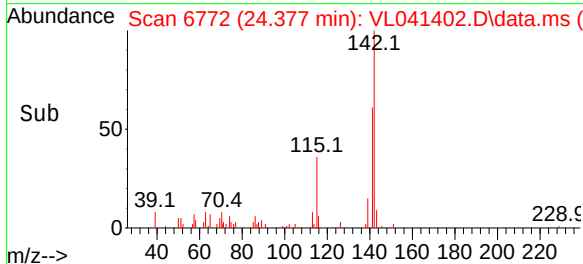
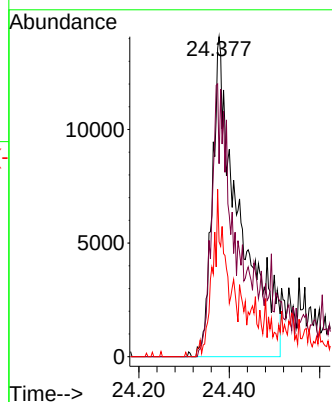
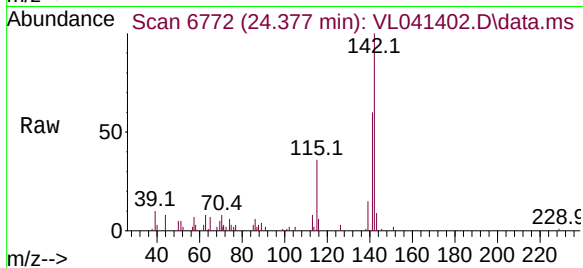
Tgt Ion:142 Resp: 58719

Ion Ratio Lower Upper

142 100

141 77.9 67.0 100.4

115 40.8 32.2 48.2



#81

1,2,4-Trichlorobenzene

Concen: 0.358 ppbv

RT: 21.143 min Scan# 5766

Delta R.T. 0.010 min

Lab File: VL041402.D

Acq: 25 Jul 2024 16:00

Tgt Ion:180 Resp: 46470

Ion Ratio Lower Upper

180 100

182 180.4 76.7 115.1#

184 53.4 24.5 36.7#

