

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041182.D
 Acq On : 29 Apr 2024 13:28
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 30 05:08:15 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)

Internal Standards						
1) Bromochloromethane	5.185	49	1012643	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2594892	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2380091	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	1800448	10.016	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	78751	0.563	ppbv	89
3) Chlorodifluoromethane	2.671	51	81623	0.529	ppbv	100
4) Chloromethane	2.809	50	30762	0.501	ppbv	97
5) Vinyl Chloride	2.915	62	29808	0.500	ppbv	94
6) Bromomethane	3.115	94	6566	0.297	ppbv	92
7) Chloroethane	3.192	64	6405	0.296	ppbv #	86
8) Dichlorotetrafluoroethane	2.851	85	76365	0.540	ppbv	99
9) Propene	2.690	41	33515	0.556	ppbv	93
10) Heptane	7.574	43	48644	0.337	ppbv #	44
11) Trichlorofluoromethane	3.558	101	71752	0.516	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	53204	0.512	ppbv	98
13) Ethanol	3.246	45	1385	0.106	ppbv #	38
14) Bromoethene	3.359	108	21475	0.496	ppbv #	94
15) Acetone	3.452	43	698	0.006	ppbv #	48
16) 1,3-Butadiene	2.983	39	30332	0.505	ppbv	96
17) tert-Butyl alcohol	3.893	59	56825	0.435	ppbv #	90
18) 1,1-Dichloroethene	3.877	96	23046	0.484	ppbv	98
19) Isopropyl Alcohol	3.565	45	677	0.009	ppbv #	41
20) Methylene Chloride	3.928	84	24047	0.573	ppbv	97
21) Allyl Chloride	3.992	41	41776	0.531	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	21779	0.463	ppbv #	92
23) Vinyl Acetate	4.629	43	62314	0.467	ppbv #	94
24) 1,1-Dichloroethane	4.555	63	32294	0.314	ppbv	98
25) Ethyl Acetate	5.208	43	125069	0.528	ppbv	98
26) Hexane	5.208	57	57726	0.550	ppbv	99
27) Carbon Disulfide	4.121	76	57702	0.464	ppbv #	74
28) Methyl tert-Butyl Ether	4.594	73	43466	0.509	ppbv #	76
29) Chloroform	5.269	83	77836	0.532	ppbv	100
30) Cyclohexane	6.597	84	42810	0.497	ppbv	91
31) cis-1,2-Dichloroethene	5.069	61	49726	0.495	ppbv	91
32) 1,1,1-Trichloroethane	5.996	97	76972	0.524	ppbv	98
34) 2-Butanone	4.793	43	69254	0.545	ppbv	95
35) Carbon Tetrachloride	6.487	117	73985	0.502	ppbv	97
36) Benzene	6.365	78	110367	0.506	ppbv	95
37) 1,2-Dichloroethane	5.803	62	56950	0.499	ppbv	100
38) Trichloroethene	7.285	130	38725	0.470	ppbv	93
39) 1,2-Dichloropropane	7.066	63	41953	0.497	ppbv	99
40) 1,4-Dioxane	7.275	88	83	0.003	ppbv #	1
41) Tetrahydrofuran	5.545	42	488	0.005	ppbv #	38
42) Bromodichloromethane	7.243	83	76921	0.461	ppbv	90
43) Methyl Methacrylate	7.475	69	42710	0.477	ppbv	93
44) 2,2,4-Trimethylpentane	7.323	57	195404	0.517	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	27601	0.421	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 30 05:08:15 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

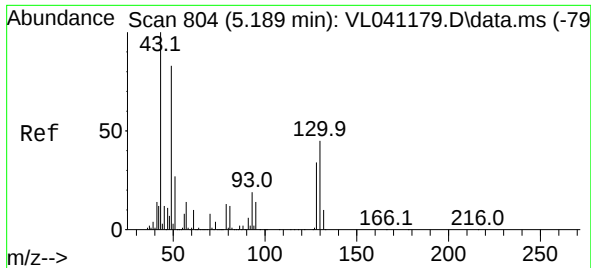
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	35480	0.447	ppbv #	83
47) 1,1,2-Trichloroethane	8.893	97	43116	0.513	ppbv	93
48) Dibromochloromethane	9.703	129	62014	0.457	ppbv	91
49) Bromoform	12.404	173	50079	0.429	ppbv	96
50) 4-Methyl-2-Pentanone	8.195	43	116934	0.488	ppbv	92
51) 2-Hexanone	9.536	43	2606	0.015	ppbv #	29
52) Tetrachloroethene	10.613	164	39233	0.510	ppbv	89
53) Toluene	9.214	91	128755	0.506	ppbv	98
54) 1,2-Dibromoethane	10.005	107	32026	0.281	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.510	131	47893	0.486	ppbv #	1
57) Chlorobenzene	11.519	112	64879	0.373	ppbv #	74
58) Ethyl Benzene	12.082	91	174494	0.532	ppbv	98
59) m/p-Xylene	12.368	91	131254	0.477	ppbv #	31
60) o-Xylene	13.056	91	141598	0.548	ppbv	99
61) Styrene	12.899	104	32468	0.241	ppbv #	24
62) Isopropylbenzene	14.027	105	208977	0.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	46831	0.267	ppbv #	23
64) n-propylbenzene	14.908	120	48252	0.496	ppbv	75
65) tert-Butylbenzene	16.085	119	101954	0.297	ppbv #	25
66) Benzyl Chloride	16.320	91	5633	0.138	ppbv #	60
67) sec-Butylbenzene	16.638	105	271038	0.559	ppbv	98
69) p-Isopropyltoluene	16.992	119	115071	0.286	ppbv #	53
70) n-Butylbenzene	17.883	91	219542	0.525	ppbv	100
71) 2-Chlorotoluene	14.796	91	153334	0.517	ppbv	97
72) 4-Ethyltoluene	15.188	105	148749	0.505	ppbv	96
73) 1,3,5-Trimethylbenzene	15.346	105	136424	0.511	ppbv	100
74) 1,2,4-Trimethylbenzene	16.101	105	153694	0.529	ppbv #	92
75) 1,3-Dichlorobenzene	16.329	146	44111	0.270	ppbv #	17
76) 1,4-Dichlorobenzene	16.471	146	79333	0.498	ppbv	91
77) 1,2-Dichlorobenzene	17.143	146	81691	0.494	ppbv	92
78) Hexachloro-1,3-Butadiene	22.628	225	78381	0.533	ppbv	93
79) Naphthalene	21.387	128	123730	0.449	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	19286	0.166	ppbv #	56
81) 1,2,4-Trichlorobenzene	21.130	180	22659	0.154	ppbv #	1

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

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MSVOA_L
ClientSampleId :
VSTDICC0.5

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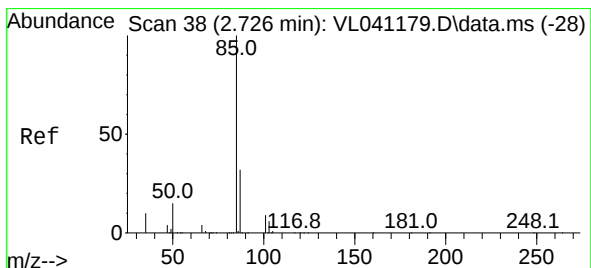
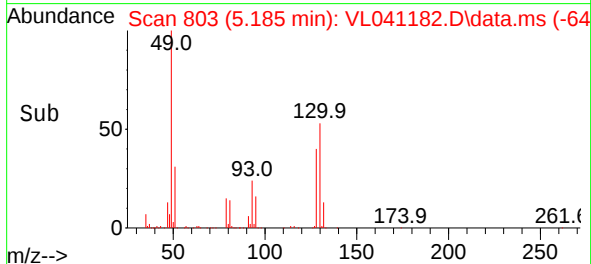
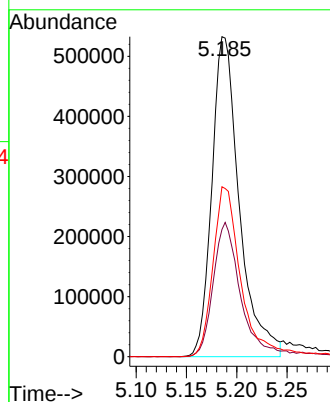
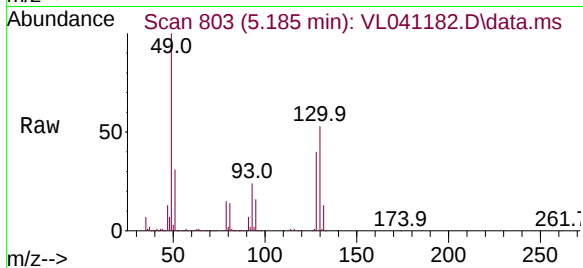




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 804
 Delta R.T. -0.004 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

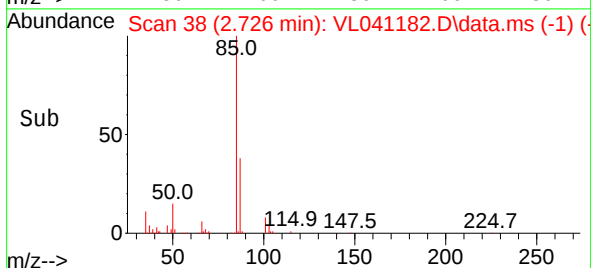
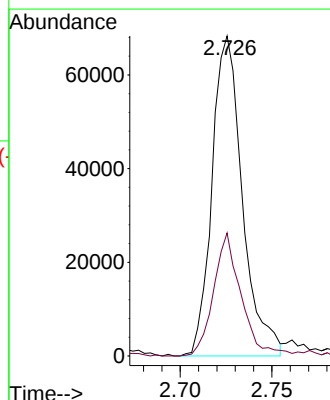
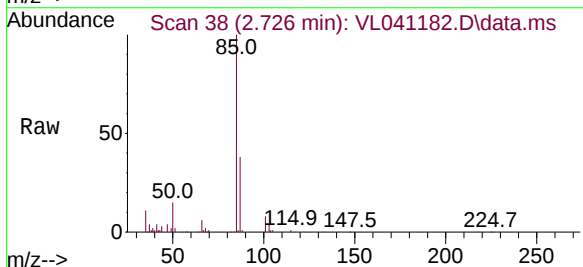
Instrument :
 MSVOA_L
 ClientSampleId :
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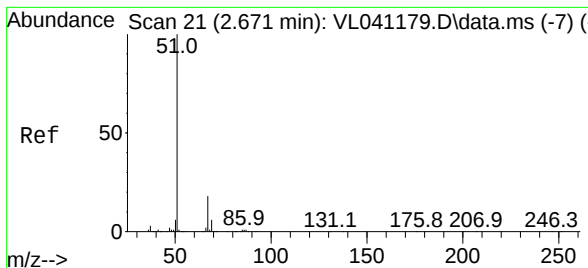
Tgt Ion: 49 Resp: 1012643
 Ion Ratio Lower Upper
 49 100
 128 43.1 21.5 64.5
 130 56.2 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.563 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. -0.000 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

Tgt Ion: 85 Resp: 78751
 Ion Ratio Lower Upper
 85 100
 87 38.5 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.529 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

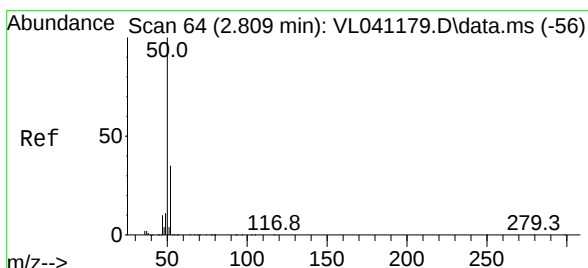
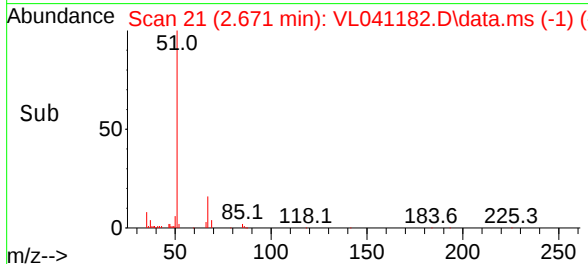
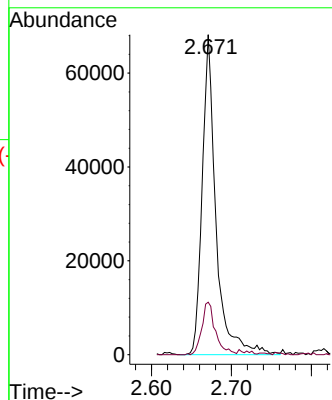
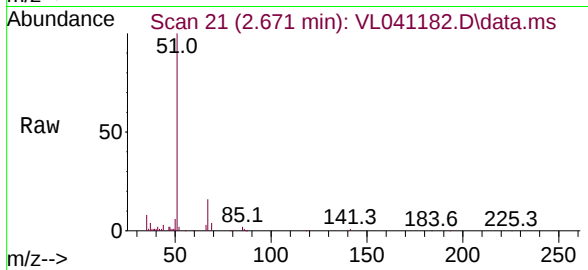
VSTDIC0.5

Tgt Ion: 51 Resp: 81623

Ion Ratio Lower Upper

51 100

67 17.6 14.0 21.0



#4

Chloromethane

Concen: 0.501 ppbv

RT: 2.809 min Scan# 64

Delta R.T. -0.000 min

Lab File: VL041182.D

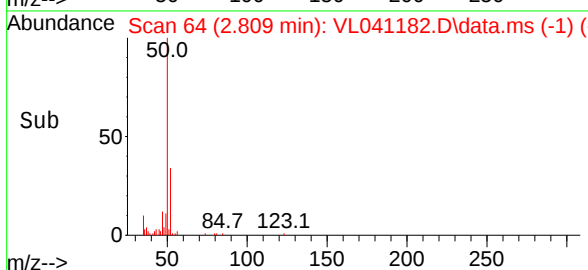
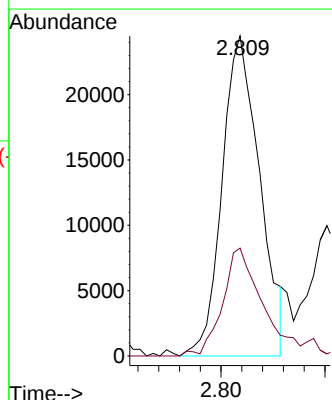
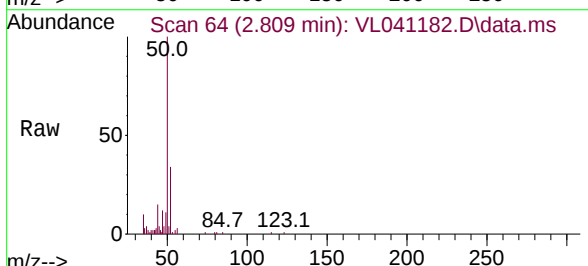
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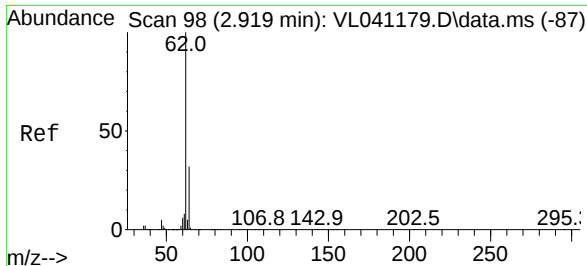
Tgt Ion: 50 Resp: 30762

Ion Ratio Lower Upper

50 100

52 33.7 28.3 42.5

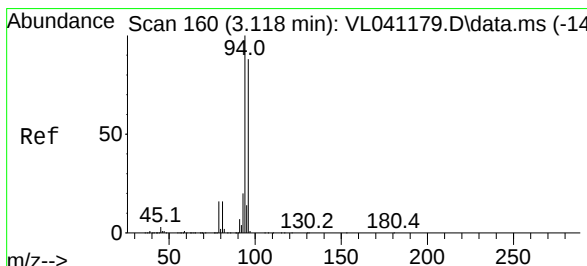
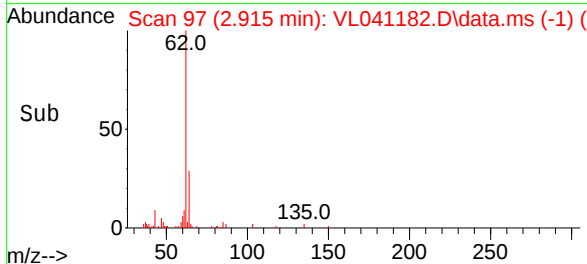
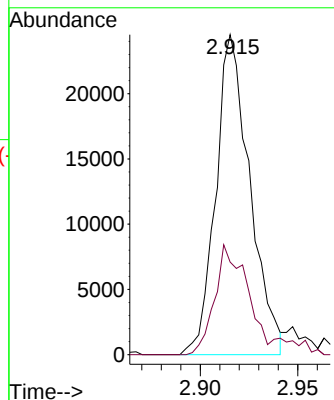
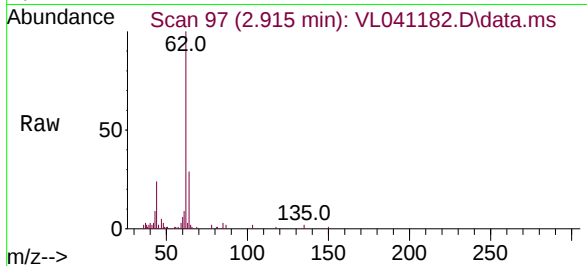




#5
 Vinyl Chloride
 Concen: 0.500 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

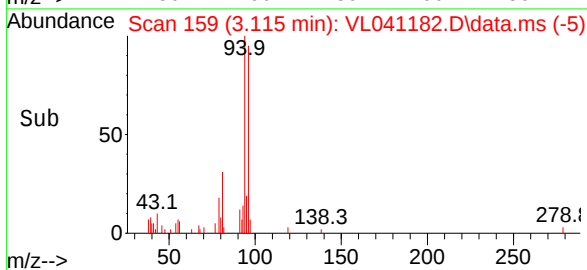
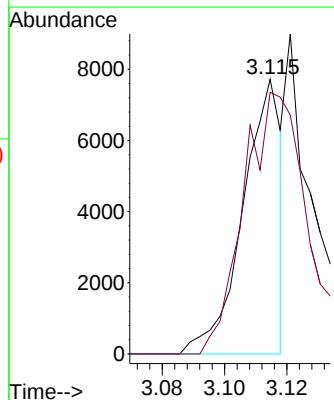
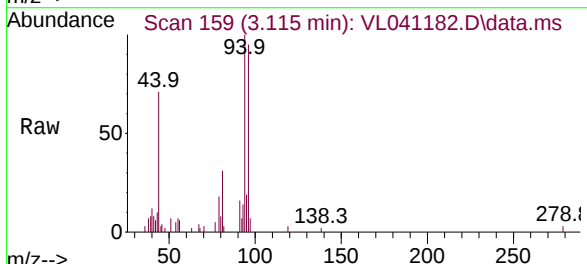
Instrument :
 MSVOA_L
 ClientSampleId :
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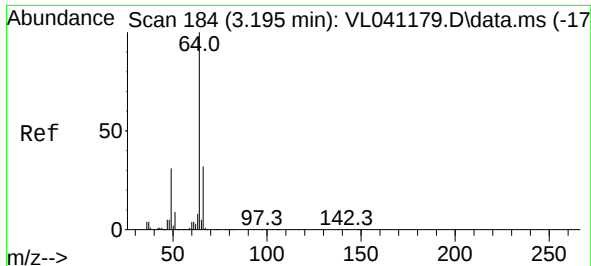
Tgt Ion: 62 Resp: 29808
 Ion Ratio Lower Upper
 62 100
 64 28.9 25.7 38.5



#6
 Bromomethane
 Concen: 0.297 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

Tgt Ion: 94 Resp: 6566
 Ion Ratio Lower Upper
 94 100
 96 95.3 70.1 105.1

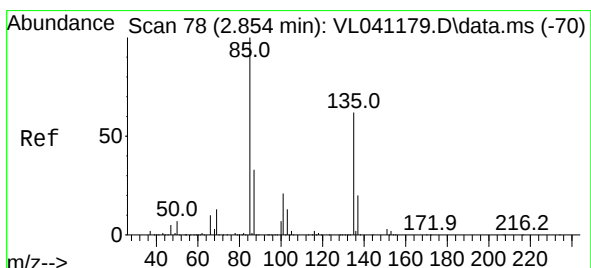
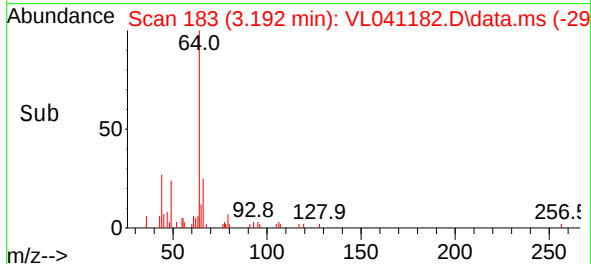
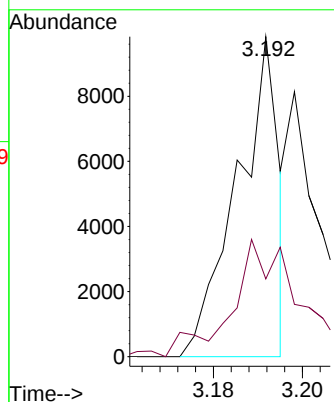
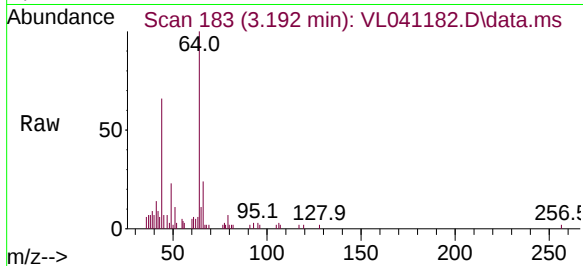




#7
Chloroethane
Concen: 0.296 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

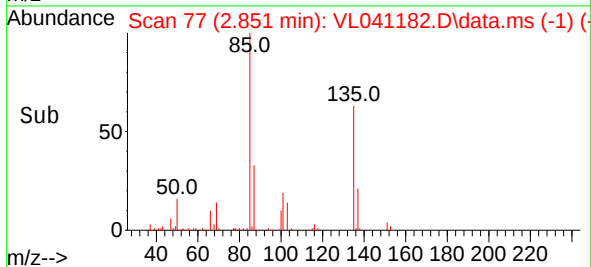
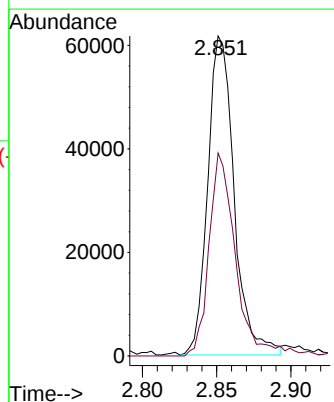
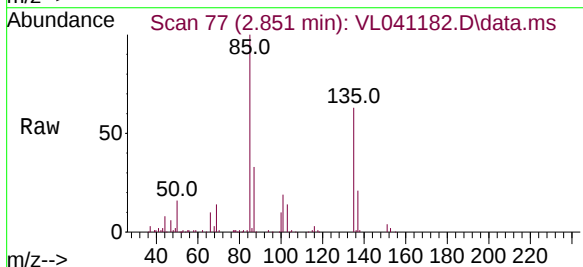
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

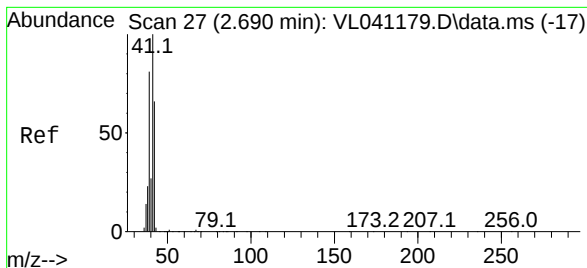
Tgt Ion: 64 Resp: 6405
Ion Ratio Lower Upper
64 100
66 24.3 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.540 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion: 85 Resp: 76365
Ion Ratio Lower Upper
85 100
135 65.1 51.5 77.3





#9

Propene

Concen: 0.556 ppbv

RT: 2.690 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

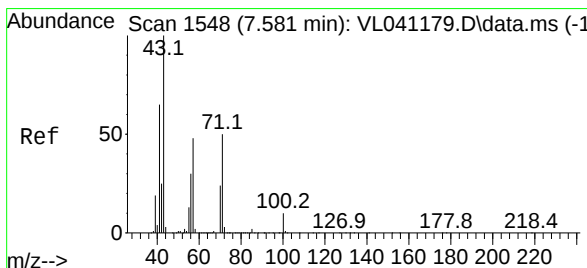
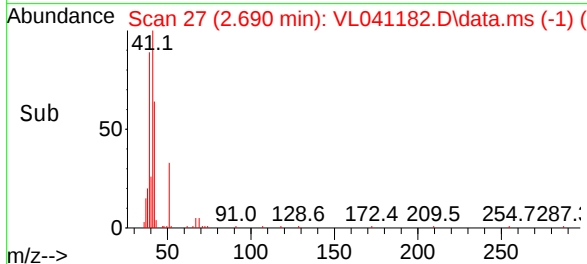
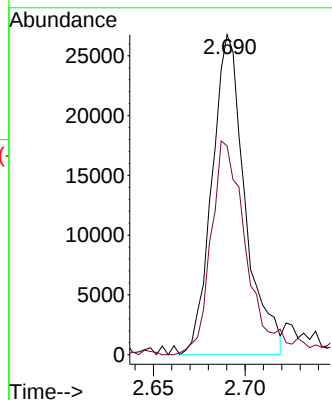
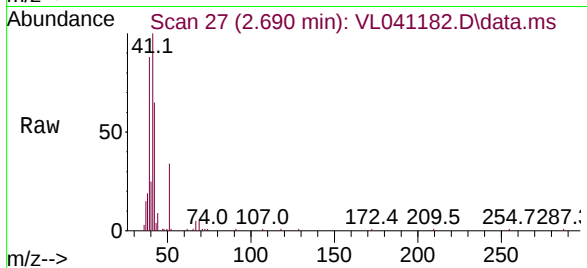
VSTDIC0.5

Tgt Ion: 41 Resp: 33515

Ion Ratio Lower Upper

41 100

42 75.1 55.3 82.9



#10

Heptane

Concen: 0.337 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.007 min

Lab File: VL041182.D

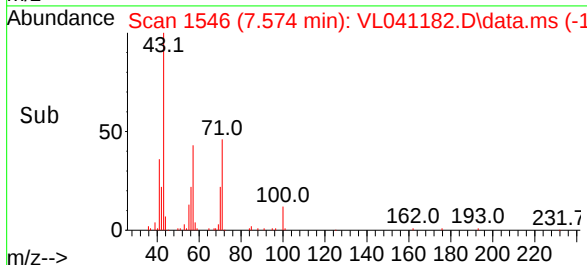
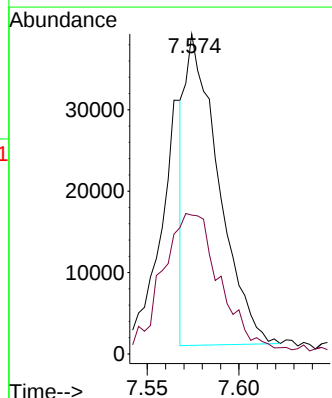
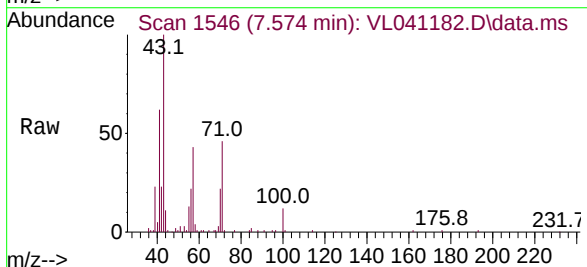
Acq: 29 Apr 2024 13:28

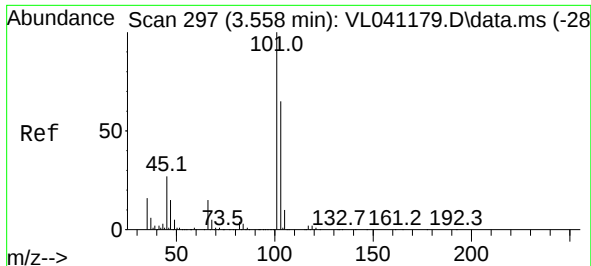
Tgt Ion: 43 Resp: 48644

Ion Ratio Lower Upper

43 100

57 86.5 38.7 58.1#

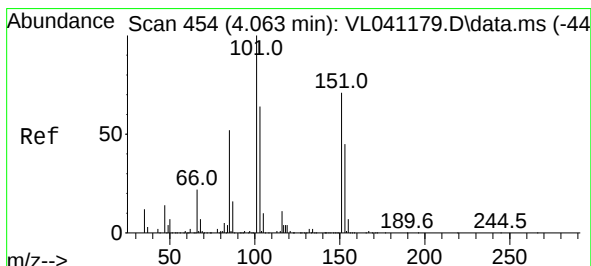
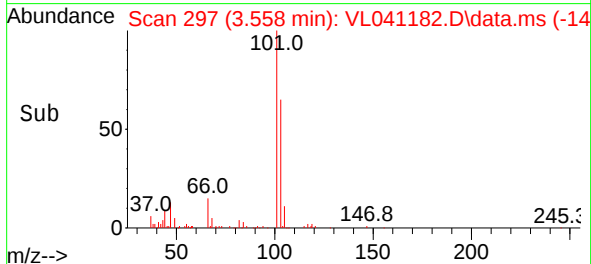
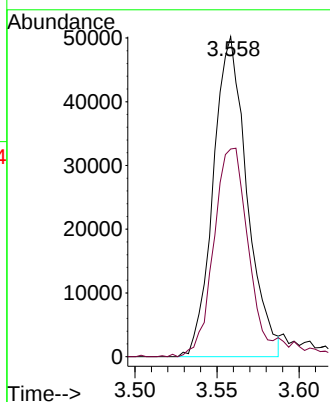
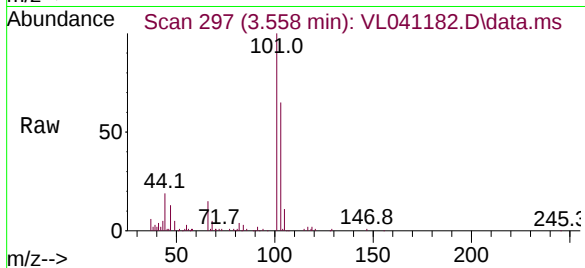




#11
 Trichlorofluoromethane
 Concen: 0.516 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. -0.000 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

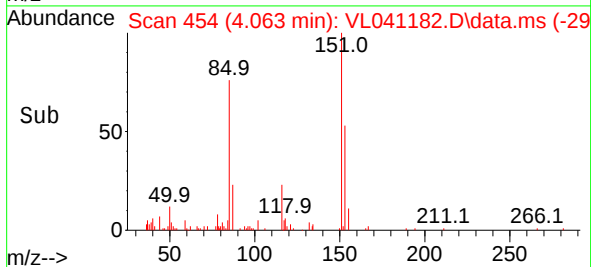
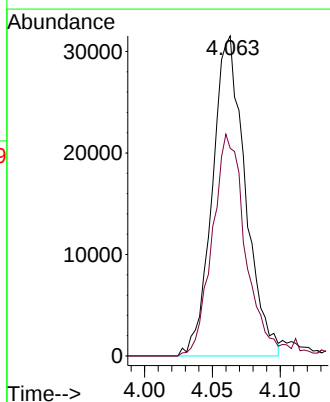
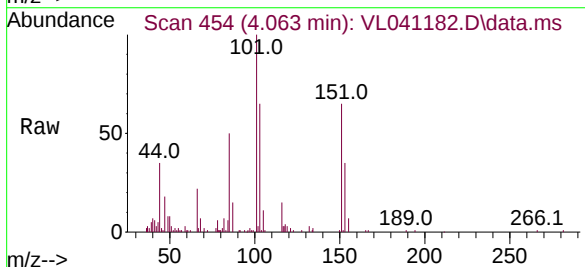
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

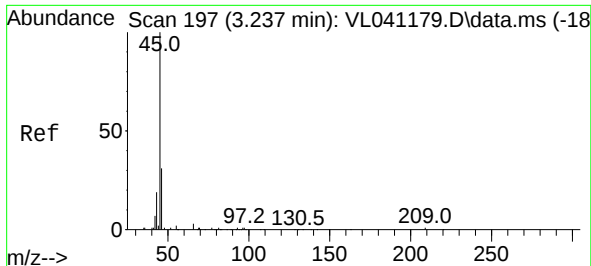
Tgt Ion:101 Resp: 71752
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.512 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.000 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

Tgt Ion:101 Resp: 53204
 Ion Ratio Lower Upper
 101 100
 151 72.7 56.8 85.2





#13

Ethanol

Concen: 0.106 ppbv

RT: 3.246 min Scan# 200

Delta R.T. 0.009 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

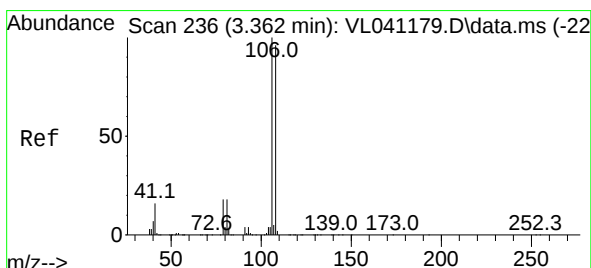
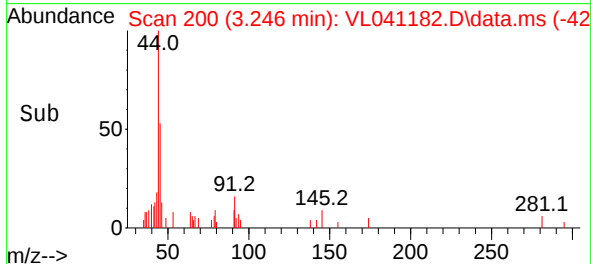
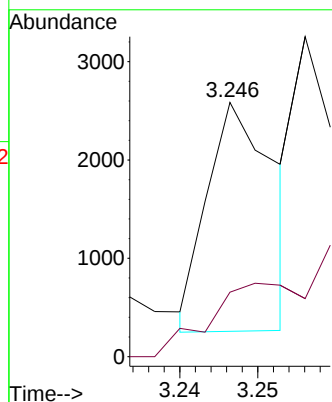
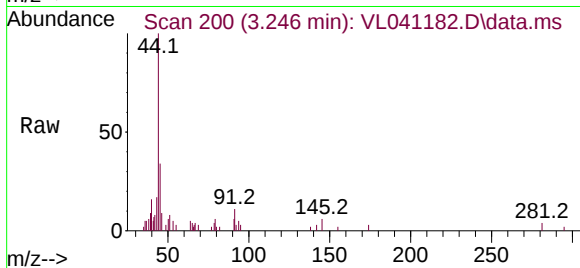
VSTDICC0.5

Tgt Ion: 45 Resp: 1385

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#14

Bromoethene

Concen: 0.496 ppbv

RT: 3.359 min Scan# 235

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

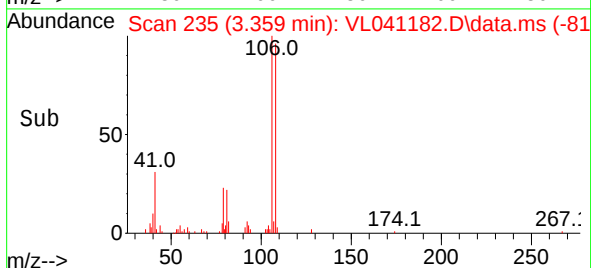
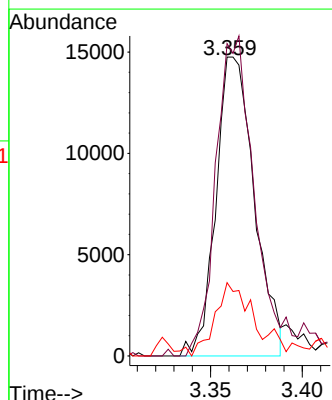
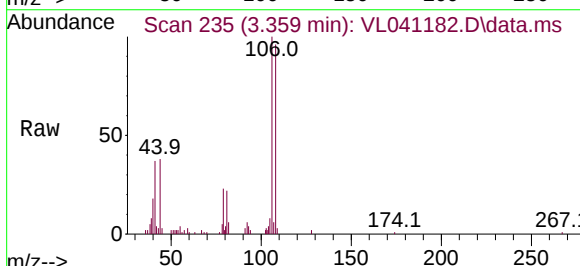
Tgt Ion:108 Resp: 21475

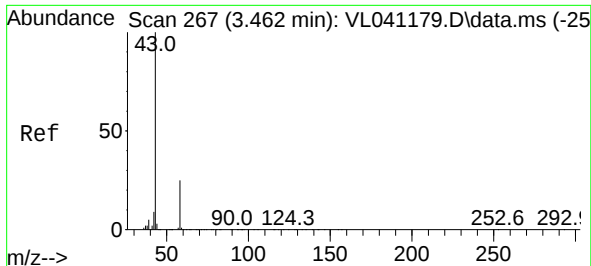
Ion Ratio Lower Upper

108 100

106 114.0 88.2 132.4

79 29.2 17.4 26.0#





#15

Acetone

Concen: 0.006 ppbv

RT: 3.452 min Scan# 2

Delta R.T. -0.010 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

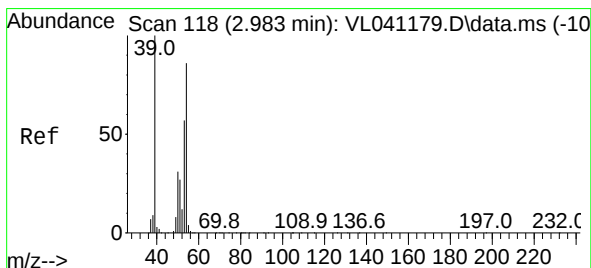
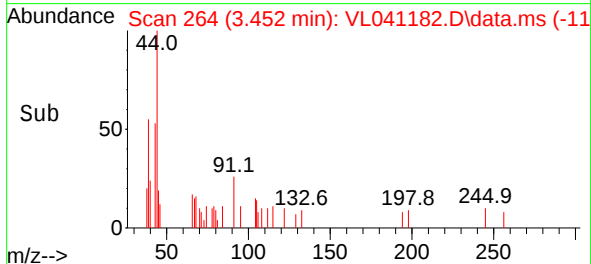
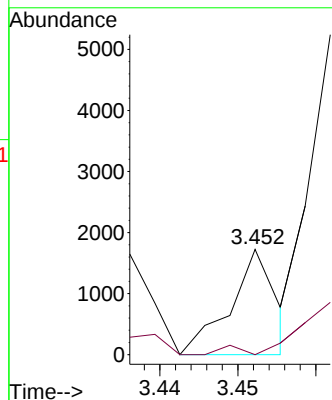
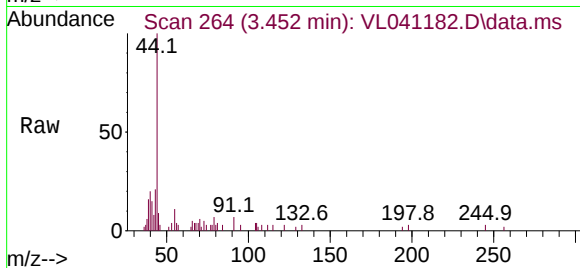
VSTDIC0.5

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.505 ppbv

RT: 2.983 min Scan# 118

Delta R.T. -0.000 min

Lab File: VL041182.D

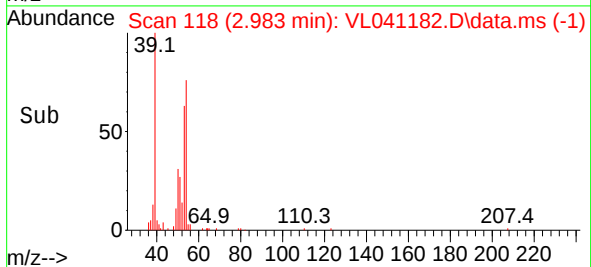
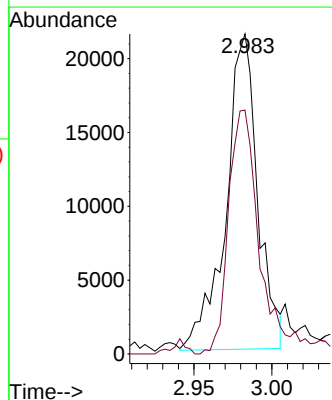
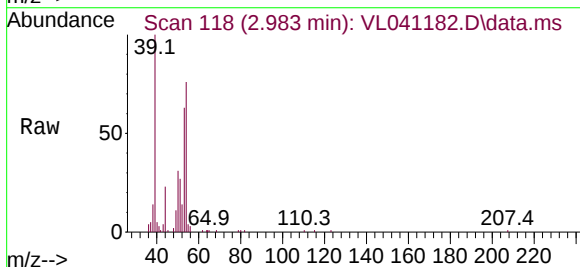
Acq: 29 Apr 2024 13:28

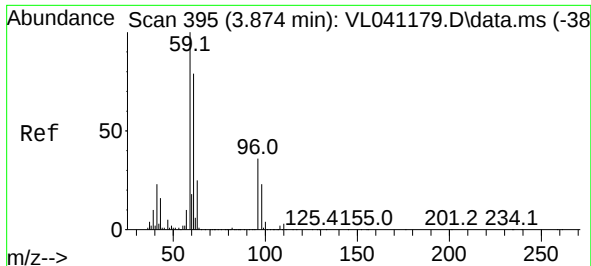
Tgt Ion: 39 Resp: 30332

Ion Ratio Lower Upper

39 100

54 81.2 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.435 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.019 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

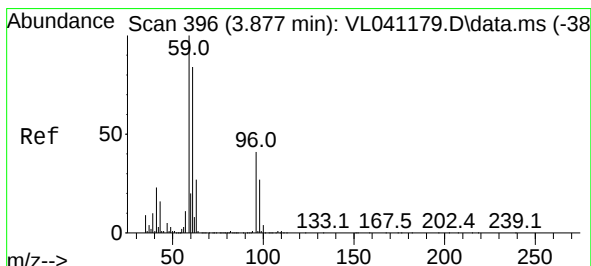
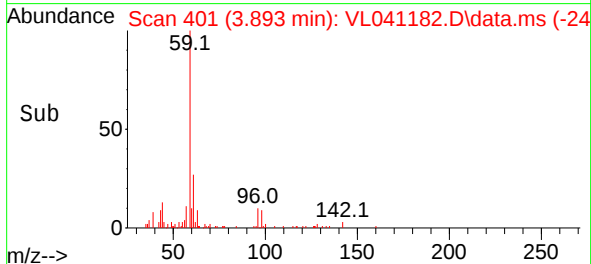
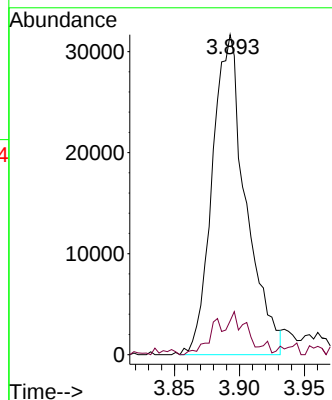
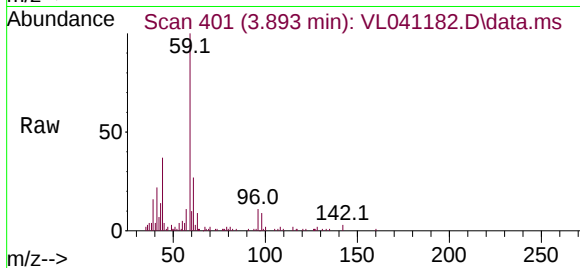
VSTDICC0.5

Tgt Ion: 59 Resp: 56825

Ion Ratio Lower Upper

59 100

57 14.4 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.484 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

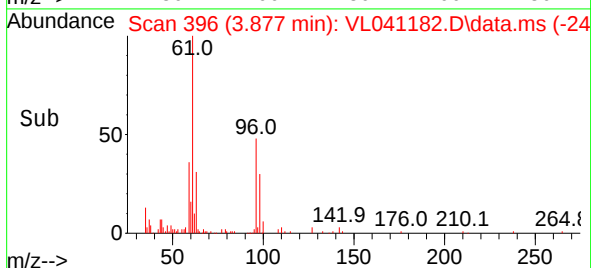
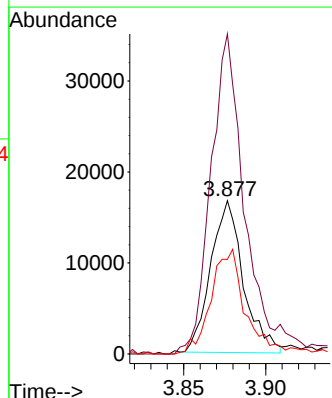
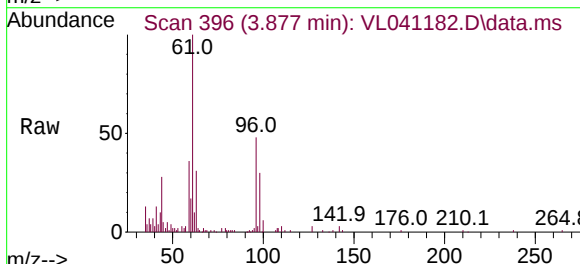
Tgt Ion: 96 Resp: 23046

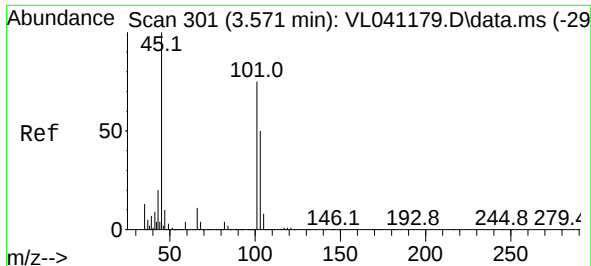
Ion Ratio Lower Upper

96 100

61 207.0 164.4 246.6

98 61.4 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.009 ppbv

RT: 3.565 min Scan# 299

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

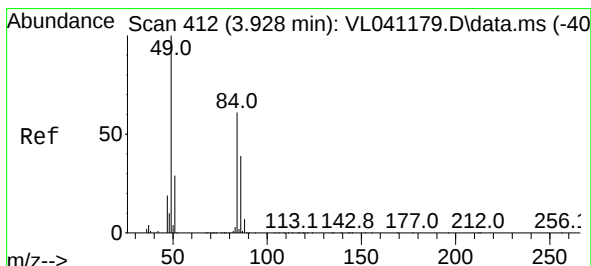
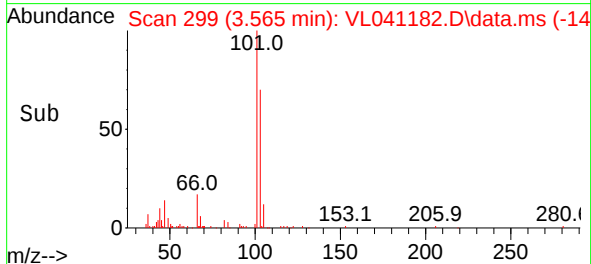
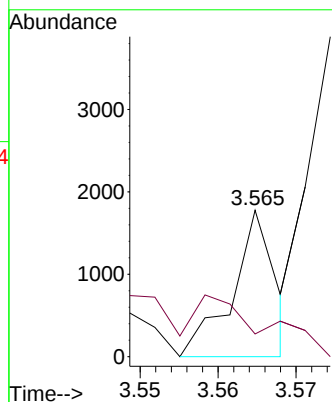
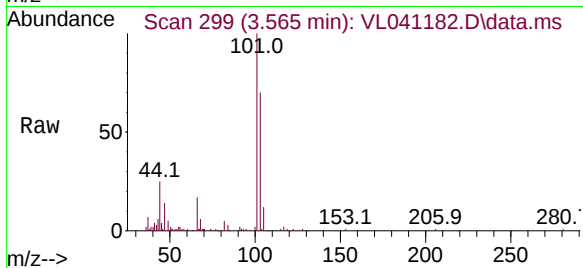
VSTDIC0.5

Tgt Ion: 45 Resp: 677

Ion Ratio Lower Upper

45 100

58 0.0 26.8 40.2#



#20

Methylene Chloride

Concen: 0.573 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Tgt Ion: 84 Resp: 24047

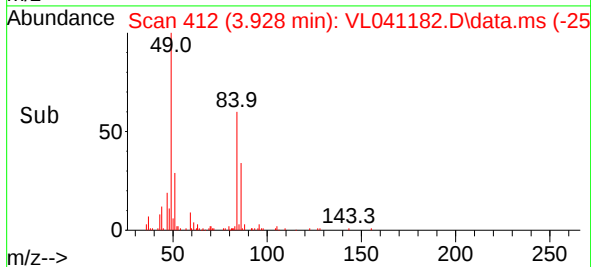
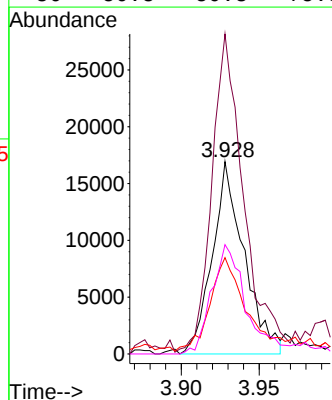
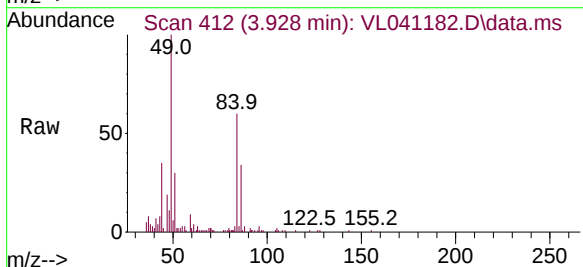
Ion Ratio Lower Upper

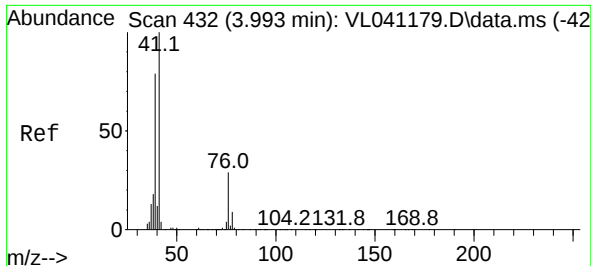
84 100

49 160.9 130.4 195.6

51 46.5 38.0 57.0

86 56.8 50.3 75.5





#21

Allyl Chloride

Concen: 0.531 ppbv

RT: 3.992 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

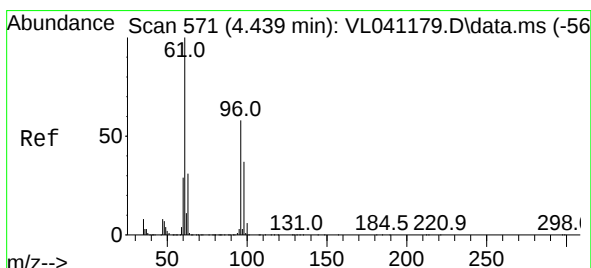
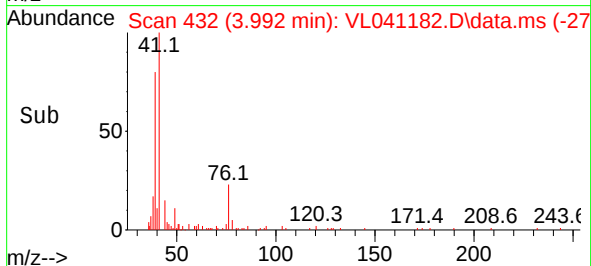
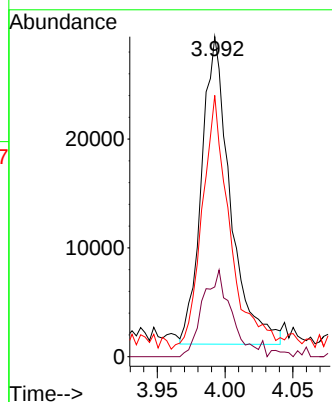
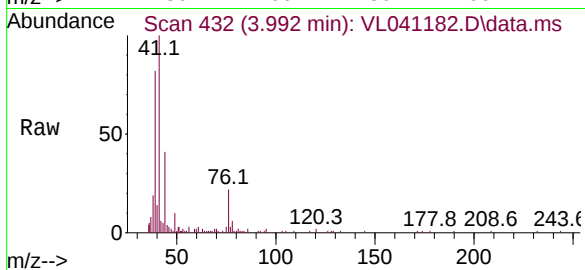
Tgt Ion: 41 Resp: 41776

Ion Ratio Lower Upper

41 100

76 29.5 23.7 35.5

39 79.8 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 0.463 ppbv

RT: 4.443 min Scan# 572

Delta R.T. 0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

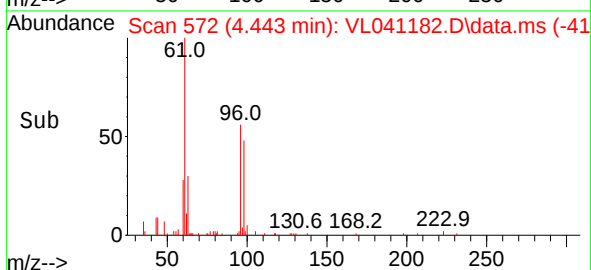
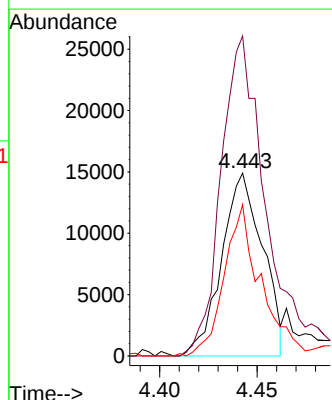
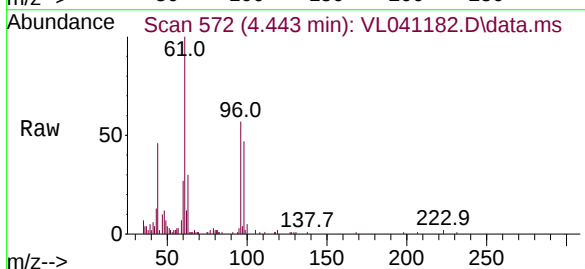
Tgt Ion: 96 Resp: 21779

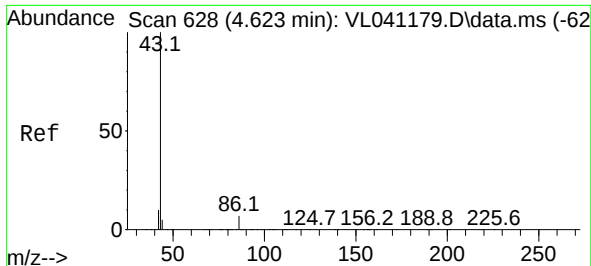
Ion Ratio Lower Upper

96 100

61 175.0 137.6 206.4

98 81.3 50.6 76.0#





#23

Vinyl Acetate

Concen: 0.467 ppbv

RT: 4.629 min Scan# 607

Delta R.T. 0.006 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 62314

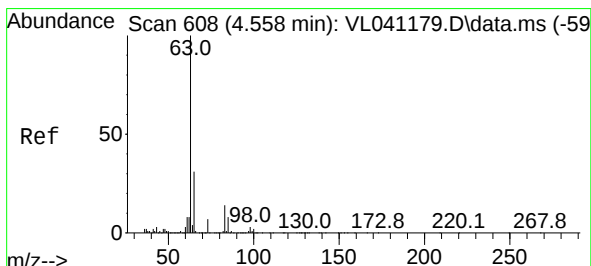
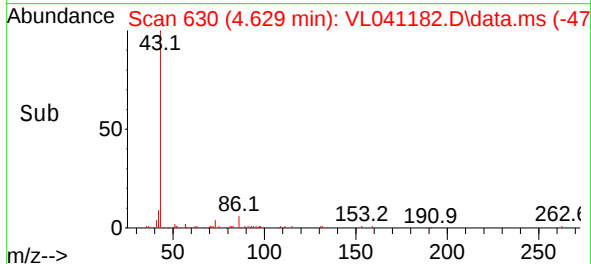
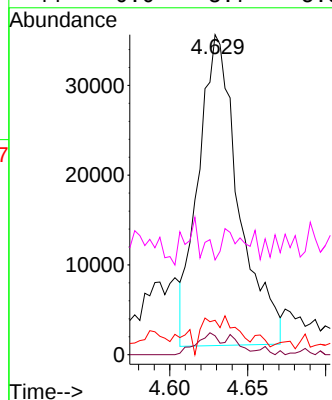
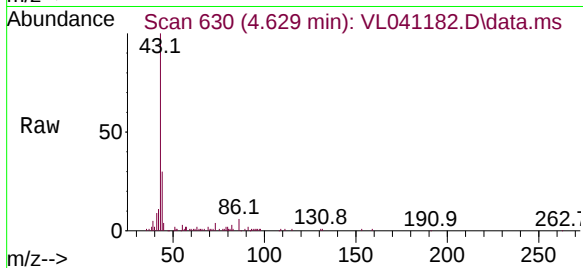
Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3

42 7.8 8.0 12.0#

44 0.0 3.7 5.5#



#24

1,1-Dichloroethane

Concen: 0.314 ppbv

RT: 4.555 min Scan# 607

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

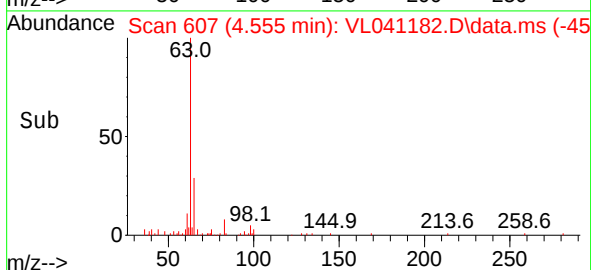
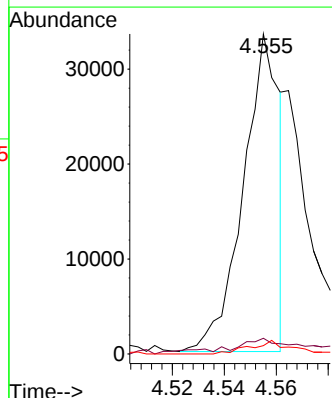
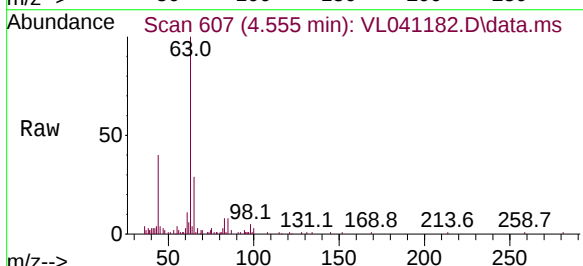
Tgt Ion: 63 Resp: 32294

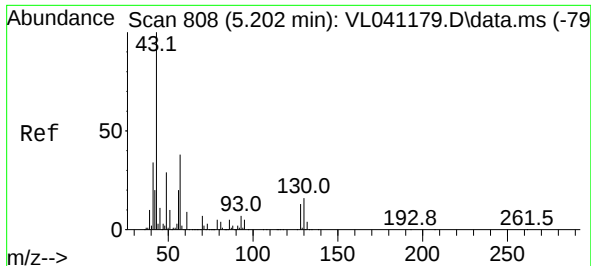
Ion Ratio Lower Upper

63 100

98 3.9 1.6 4.8

100 2.6 1.1 3.5





#25

Ethyl Acetate

Concen: 0.528 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.006 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 125069

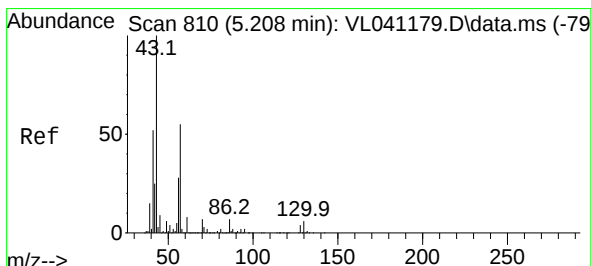
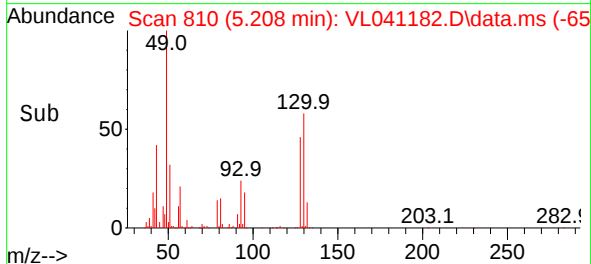
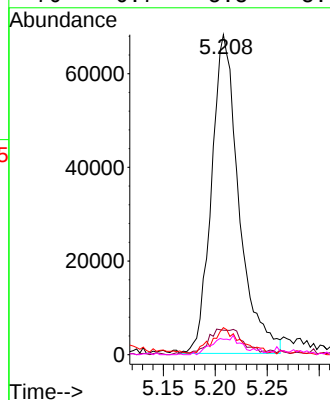
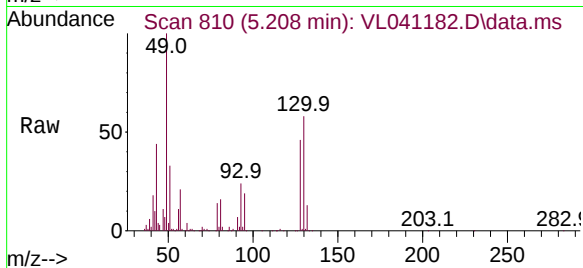
Ion Ratio Lower Upper

43 100

45 10.5 8.2 12.2

61 10.4 7.7 11.5

70 6.7 5.8 8.6



#26

Hexane

Concen: 0.550 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Tgt Ion: 57 Resp: 57726

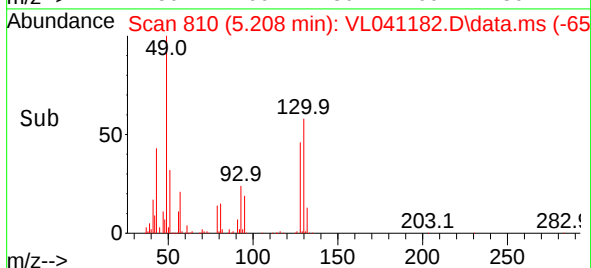
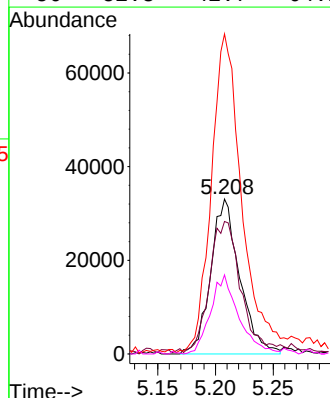
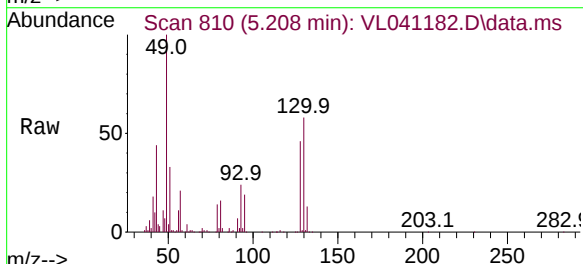
Ion Ratio Lower Upper

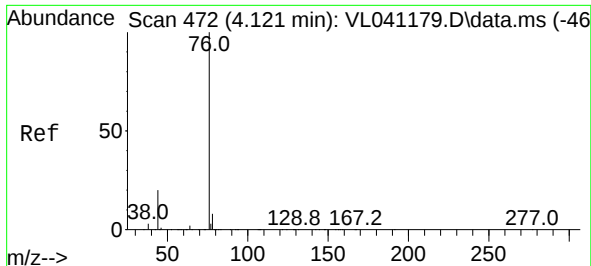
57 100

41 96.3 75.8 113.8

43 233.9 187.0 280.4

56 52.3 42.7 64.1

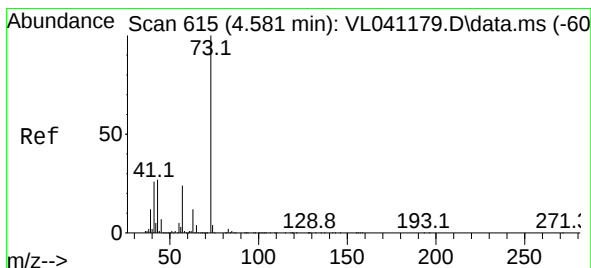
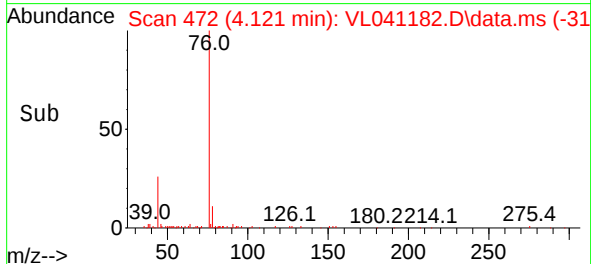
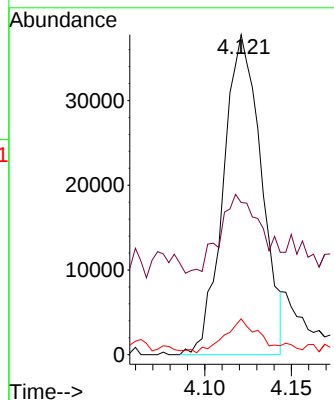
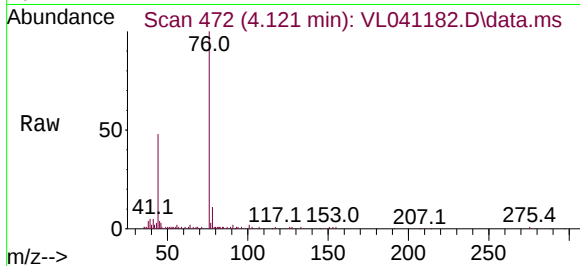




#27
Carbon Disulfide
Concen: 0.464 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

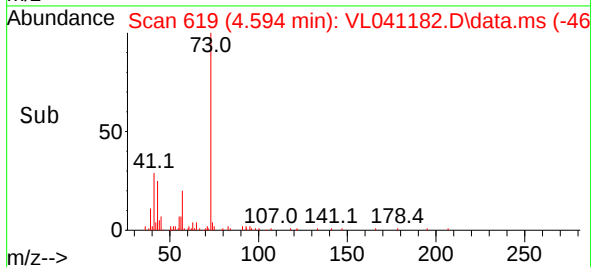
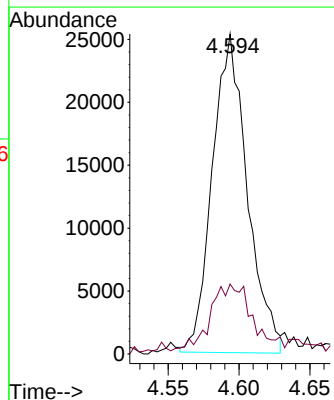
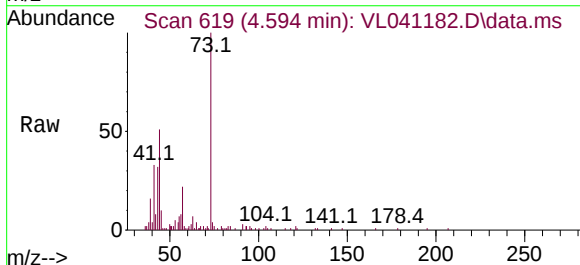
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

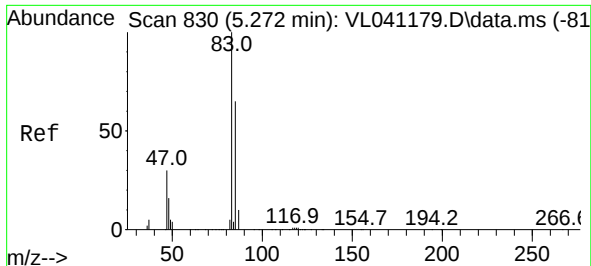
Tgt Ion: 76 Resp: 57702
Ion Ratio Lower Upper
76 100
44 34.4 16.3 24.5#
78 15.3 7.3 10.9#



#28
Methyl tert-Butyl Ether
Concen: 0.509 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion: 73 Resp: 43466
Ion Ratio Lower Upper
73 100
57 35.5 18.8 28.2#





#29

Chloroform

Concen: 0.532 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

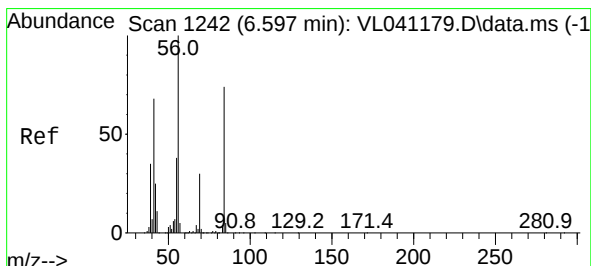
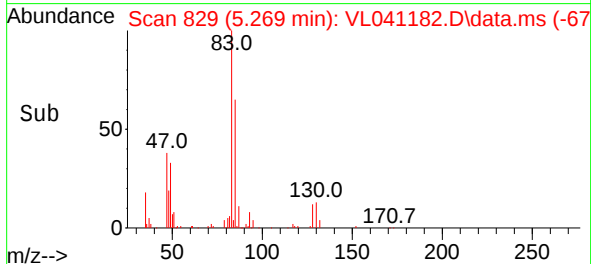
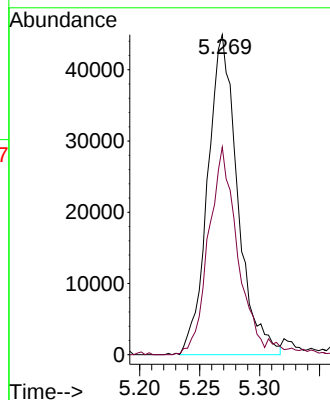
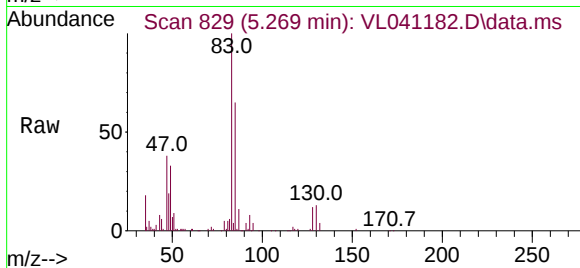
VSTDICC0.5

Tgt Ion: 83 Resp: 77836

Ion Ratio Lower Upper

83 100

85 64.5 51.7 77.5



#30

Cyclohexane

Concen: 0.497 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

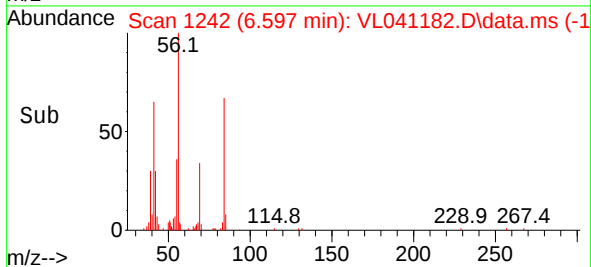
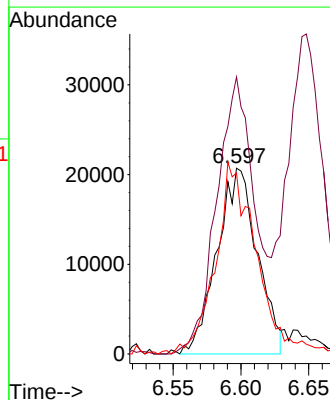
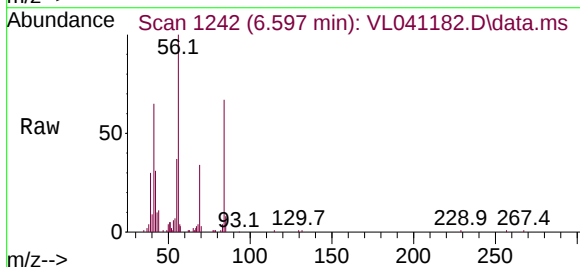
Tgt Ion: 84 Resp: 42810

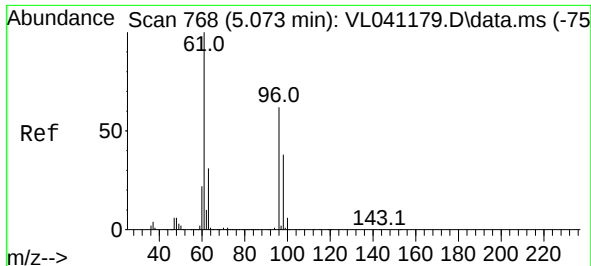
Ion Ratio Lower Upper

84 100

56 142.6 116.8 175.2

41 109.2 73.8 110.8





#31

cis-1,2-Dichloroethene

Concen: 0.495 ppbv

RT: 5.069 min Scan# 768

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

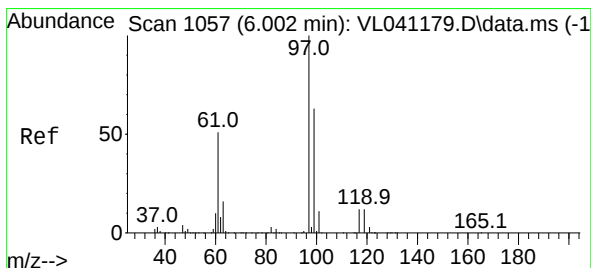
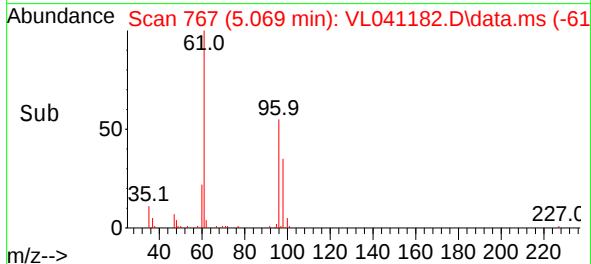
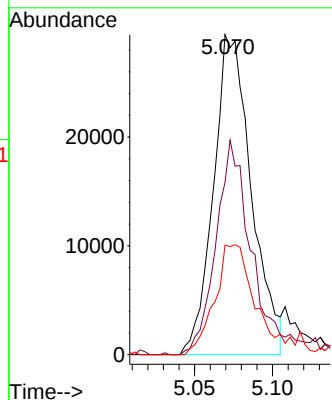
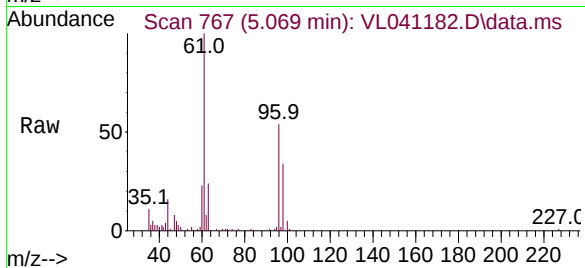
Tgt Ion: 61 Resp: 49726

Ion Ratio Lower Upper

61 100

96 53.8 49.8 74.6

98 34.2 30.0 45.0



#32

1,1,1-Trichloroethane

Concen: 0.524 ppbv

RT: 5.996 min Scan# 1055

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

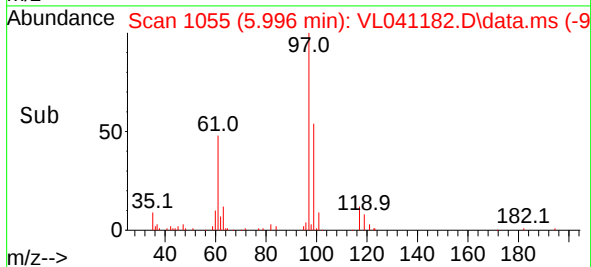
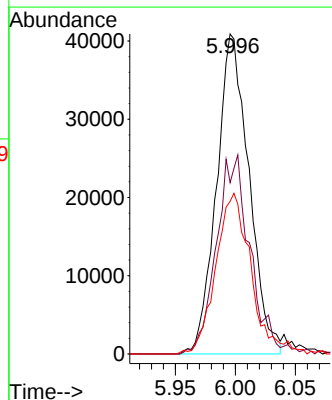
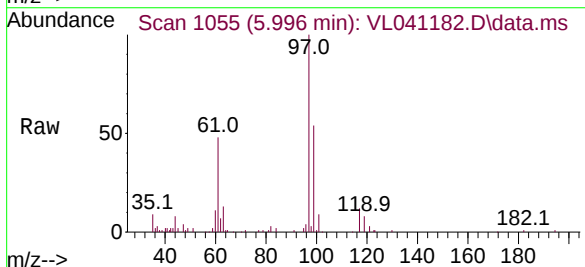
Tgt Ion: 97 Resp: 76972

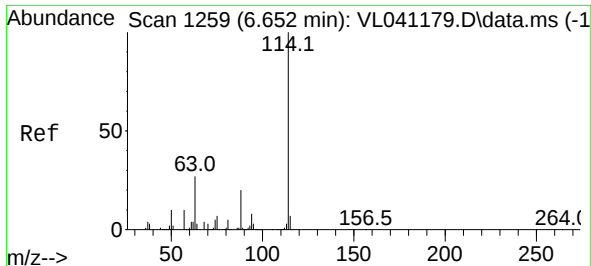
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 54.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

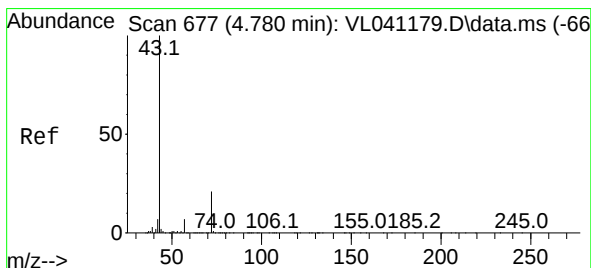
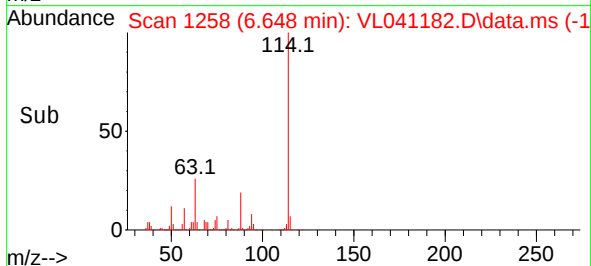
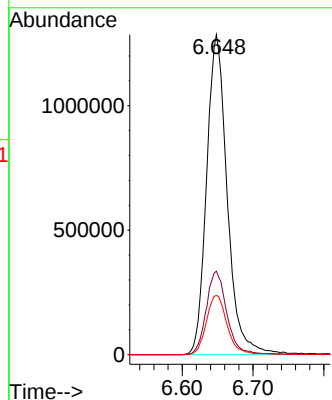
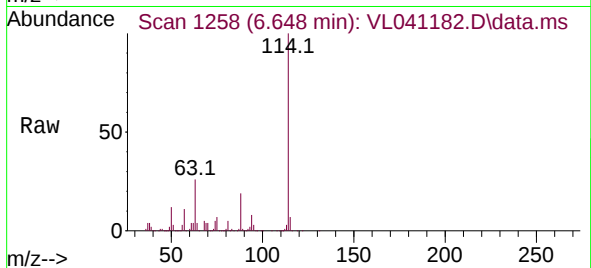
Tgt Ion:114 Resp: 2594892

Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.6

88 19.0 15.2 22.8



#34

2-Butanone

Concen: 0.545 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL041182.D

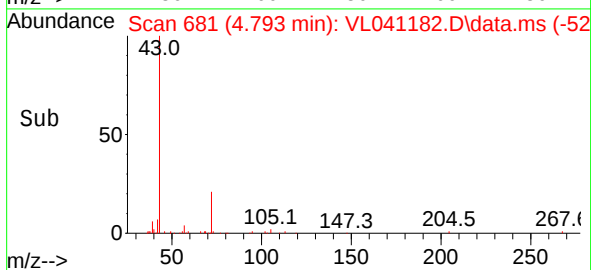
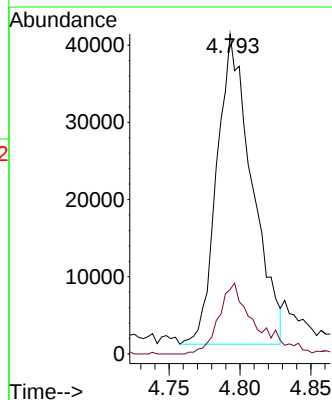
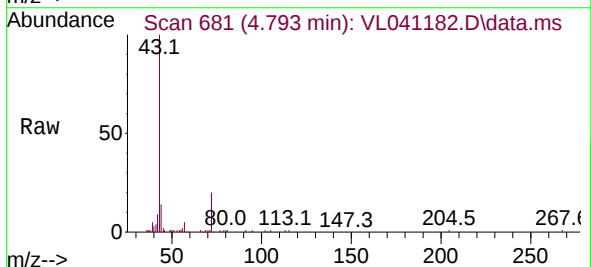
Acq: 29 Apr 2024 13:28

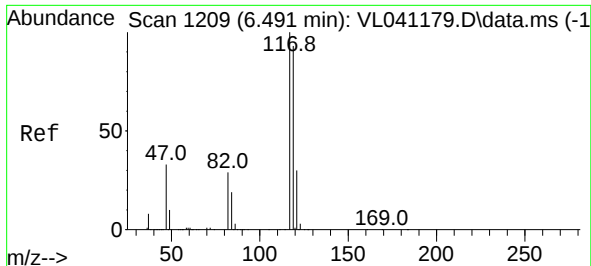
Tgt Ion: 43 Resp: 69254

Ion Ratio Lower Upper

43 100

72 24.1 17.3 25.9

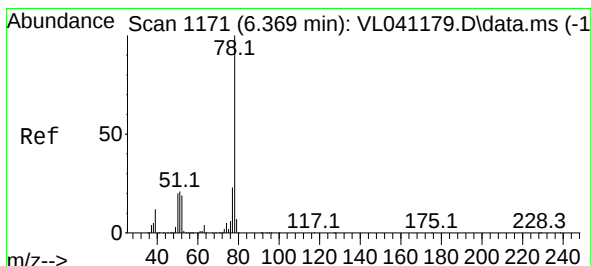
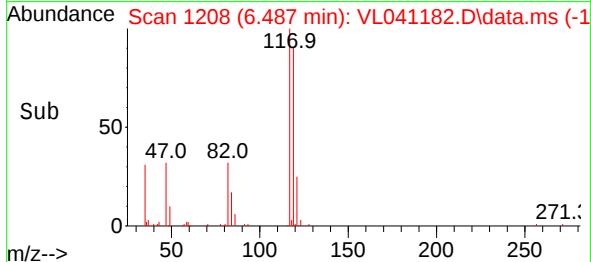
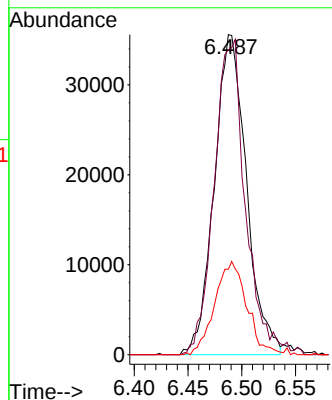
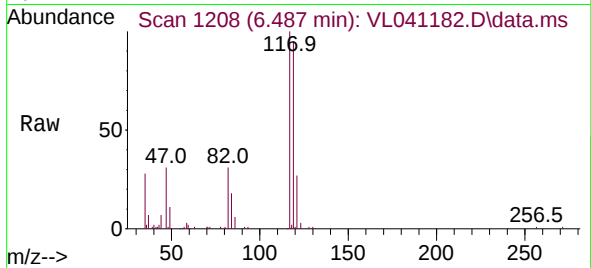




#35
Carbon Tetrachloride
Concen: 0.502 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

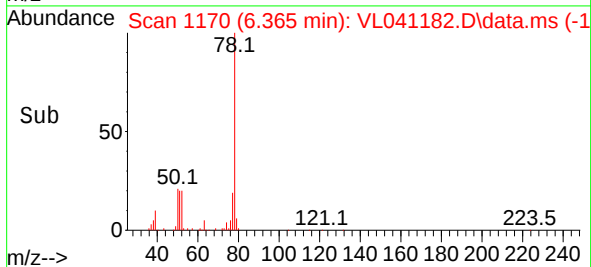
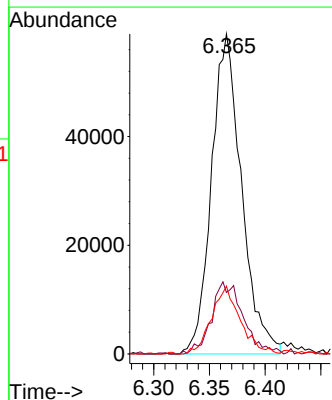
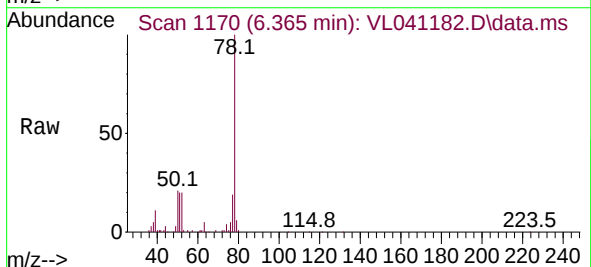
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

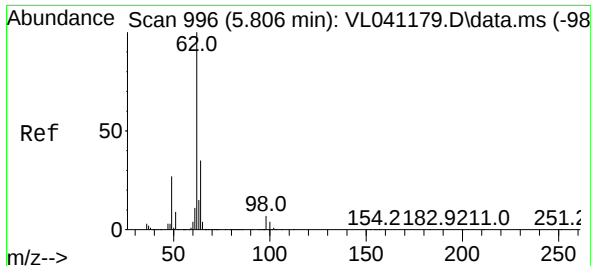
Tgt Ion:117 Resp: 73985
Ion Ratio Lower Upper
117 100
119 95.3 74.3 111.5
121 26.7 23.8 35.8



#36
Benzene
Concen: 0.506 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion: 78 Resp: 110367
Ion Ratio Lower Upper
78 100
77 19.2 18.3 27.5
50 21.2 15.9 23.9





#37

1,2-Dichloroethane

Concen: 0.499 ppbv

RT: 5.803 min Scan# 996

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

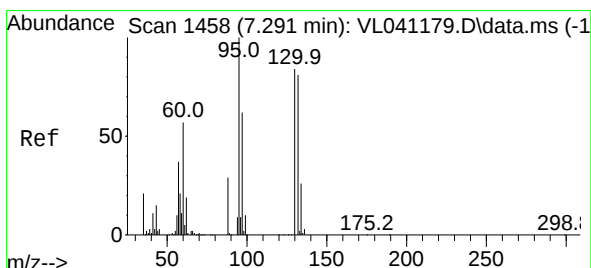
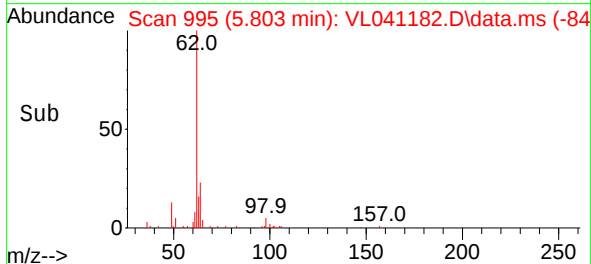
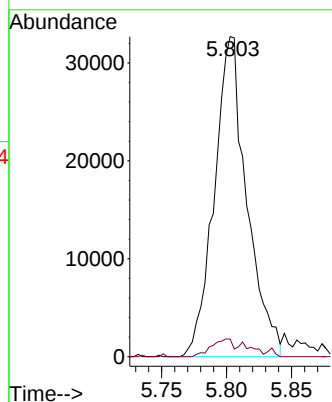
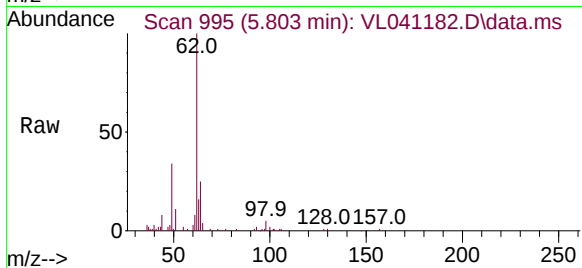
VSTDIC0.5

Tgt Ion: 62 Resp: 56950

Ion Ratio Lower Upper

62 100

98 6.2 5.0 7.4



#38

Trichloroethene

Concen: 0.470 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Tgt Ion:130 Resp: 38725

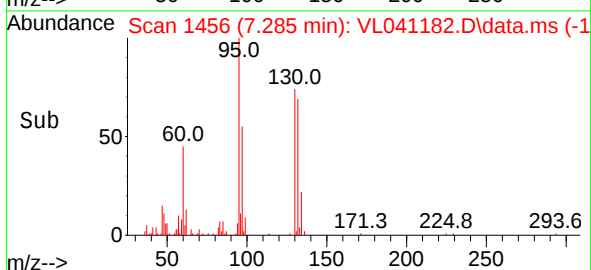
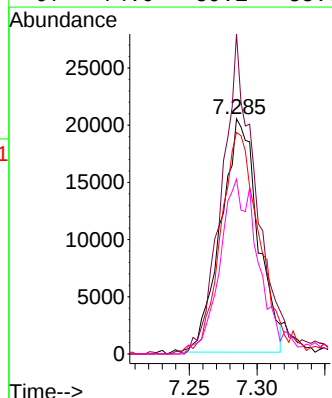
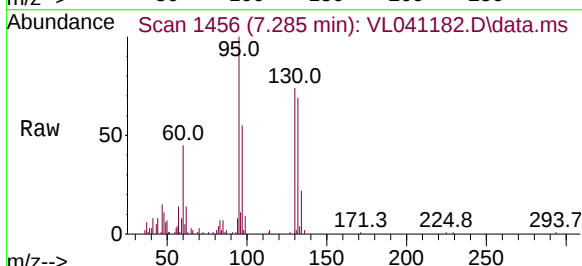
Ion Ratio Lower Upper

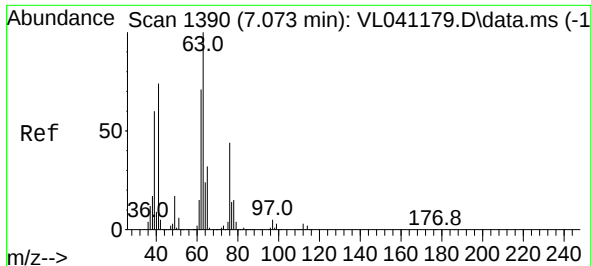
130 100

95 135.8 95.0 142.6

132 94.9 77.0 115.4

97 74.9 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.497 ppbv

RT: 7.066 min Scan# 14

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

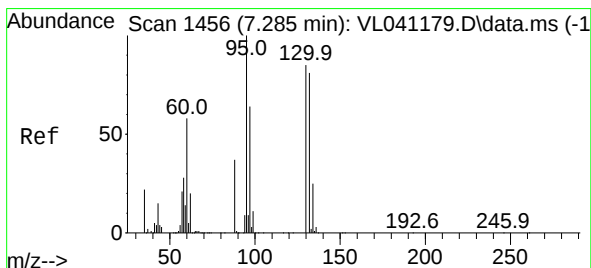
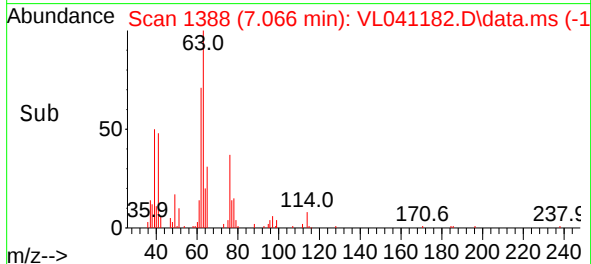
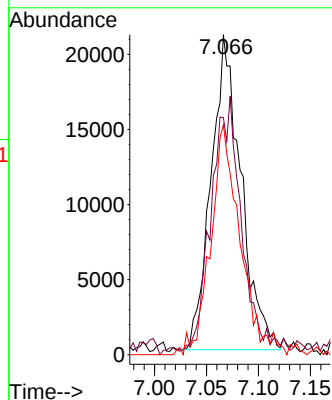
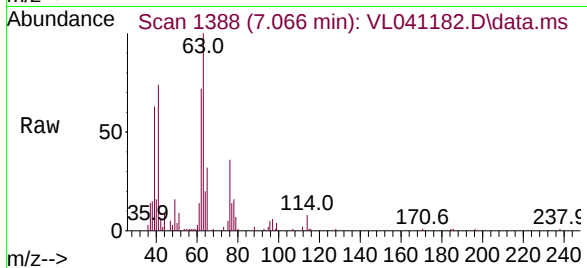
Tgt Ion: 63 Resp: 41953

Ion Ratio Lower Upper

63 100

41 72.4 59.4 89.0

62 70.7 56.8 85.2



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.010 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Tgt Ion: 88 Resp: 83

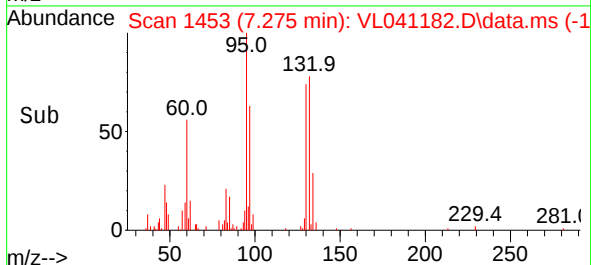
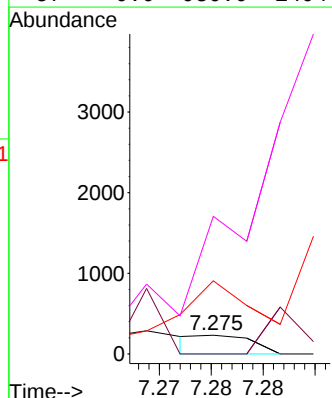
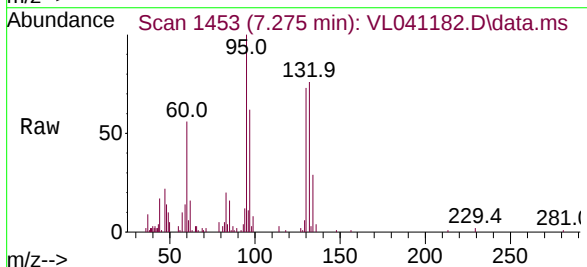
Ion Ratio Lower Upper

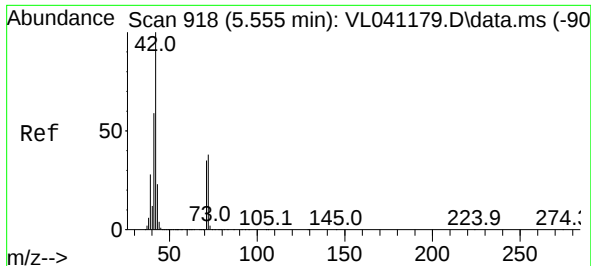
88 100

58 0.0 106.1 159.1#

43 0.0 219.8 329.6#

57 0.0 936.0 1404.0#





#41

Tetrahydrofuran

Concen: 0.005 ppbv

RT: 5.545 min Scan# 918

Delta R.T. -0.010 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

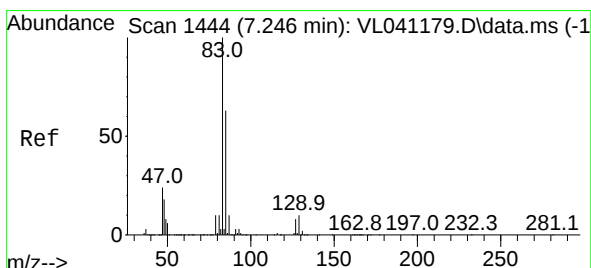
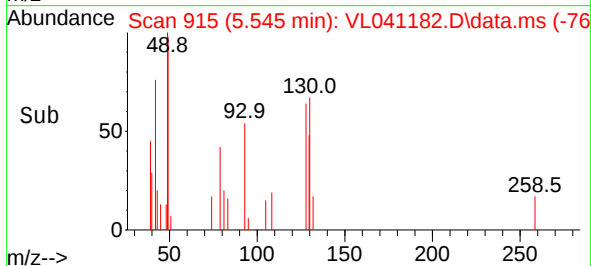
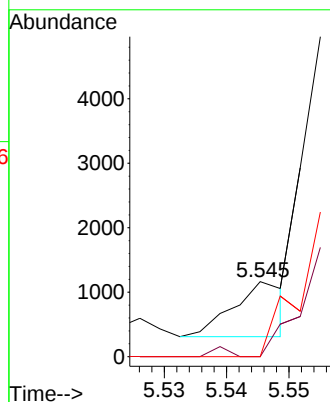
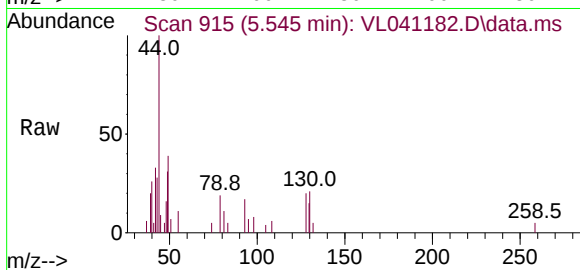
Tgt Ion: 42 Resp: 488

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 0.0 29.1 43.7#



#42

Bromodichloromethane

Concen: 0.461 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

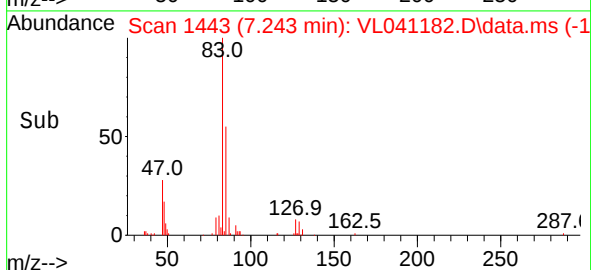
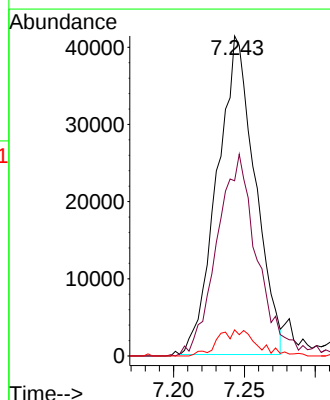
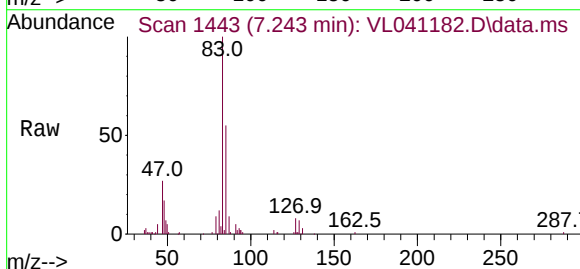
Tgt Ion: 83 Resp: 76921

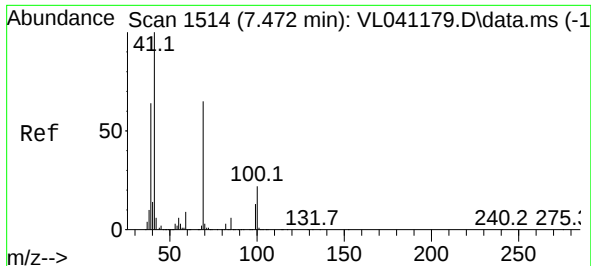
Ion Ratio Lower Upper

83 100

85 54.3 50.6 75.8

127 8.2 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.477 ppbv

RT: 7.475 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

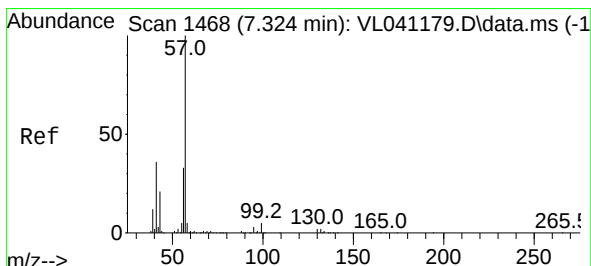
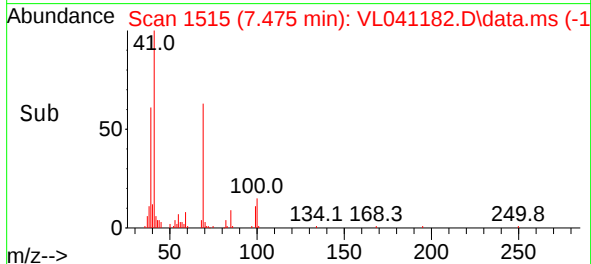
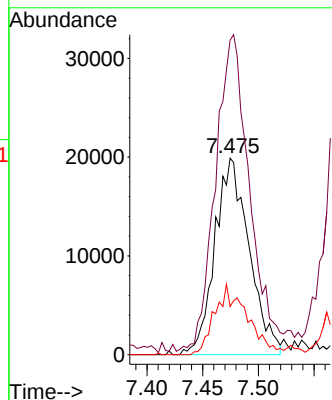
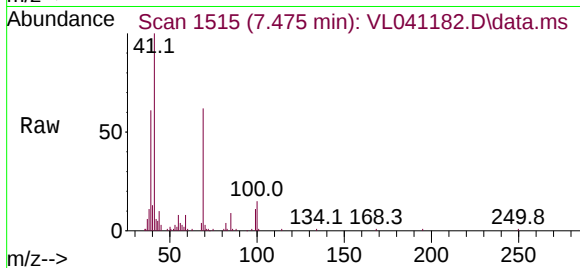
Tgt Ion: 69 Resp: 42710

Ion Ratio Lower Upper

69 100

41 166.0 125.2 187.8

100 35.1 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 0.517 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

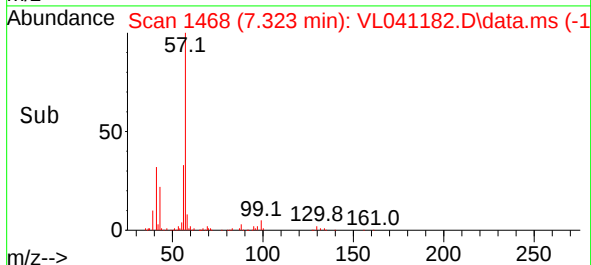
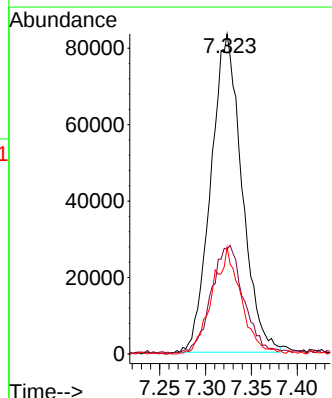
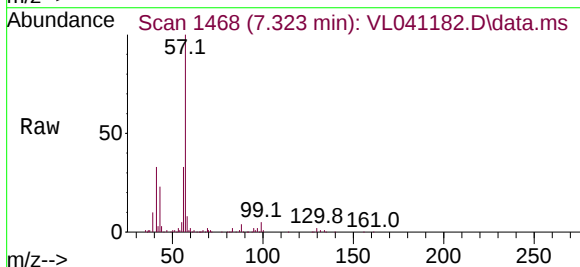
Tgt Ion: 57 Resp: 195404

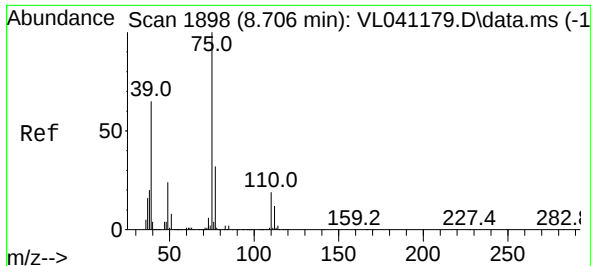
Ion Ratio Lower Upper

57 100

41 36.4 29.5 44.3

56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.421 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

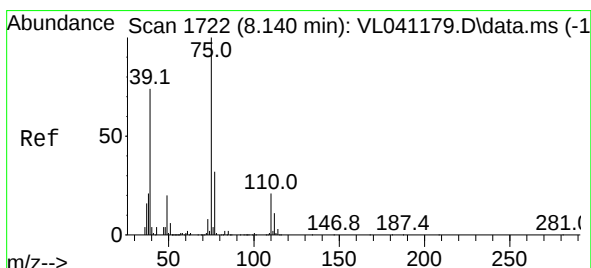
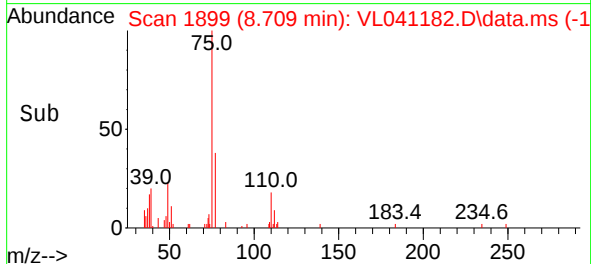
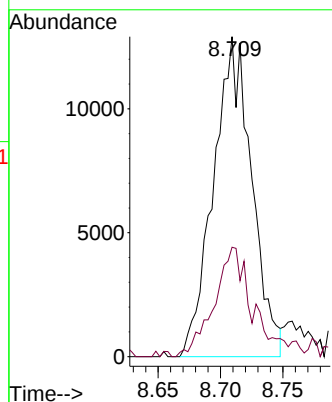
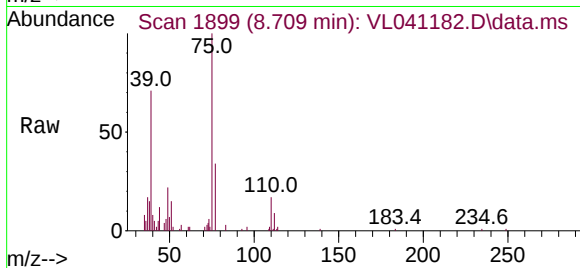
VSTDIC0.5

Tgt Ion: 75 Resp: 27601

Ion Ratio Lower Upper

75 100

77 34.2 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.447 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

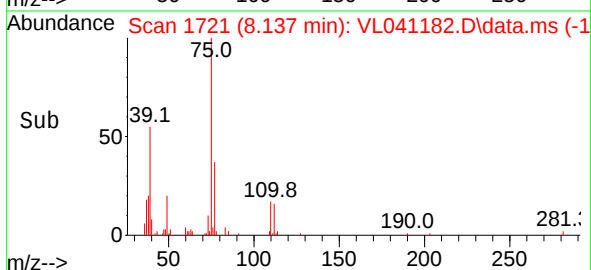
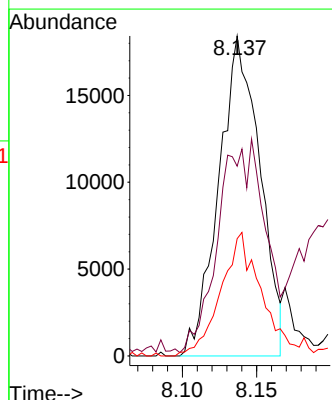
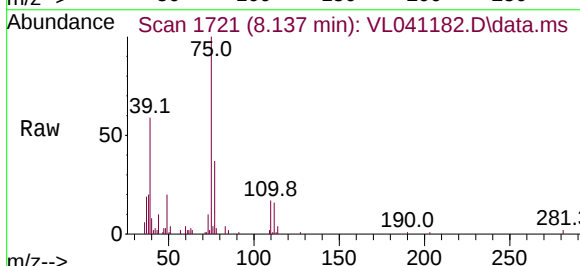
Tgt Ion: 75 Resp: 35480

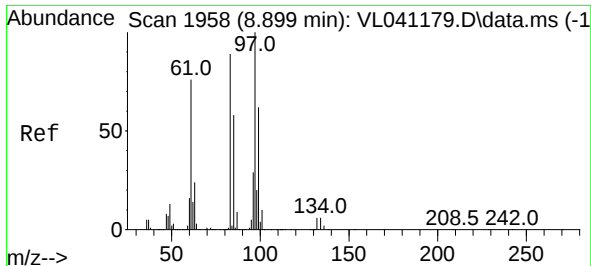
Ion Ratio Lower Upper

75 100

39 55.7 59.4 89.2#

77 35.5 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.513 ppbv

RT: 8.893 min Scan# 1958

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 43116

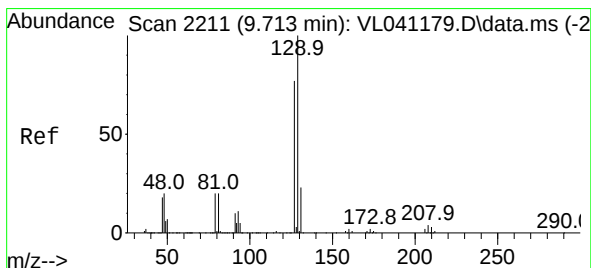
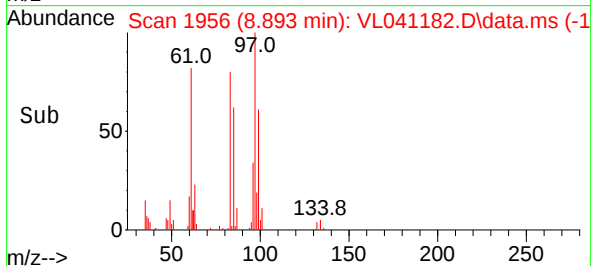
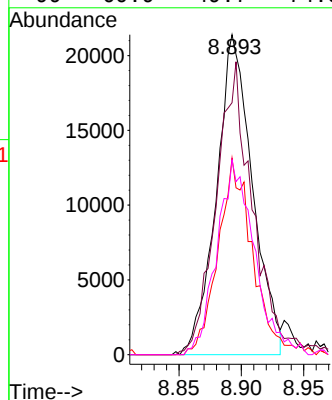
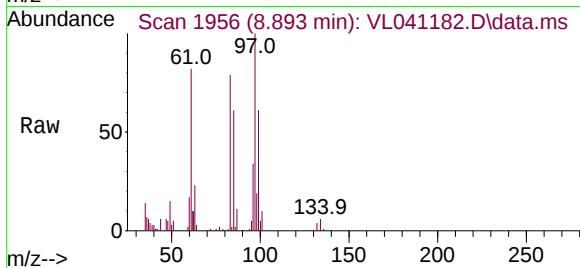
Ion Ratio Lower Upper

97 100

83 77.7 71.2 106.8

85 61.4 46.0 69.0

99 60.9 49.7 74.5



#48

Dibromochloromethane

Concen: 0.457 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.010 min

Lab File: VL041182.D

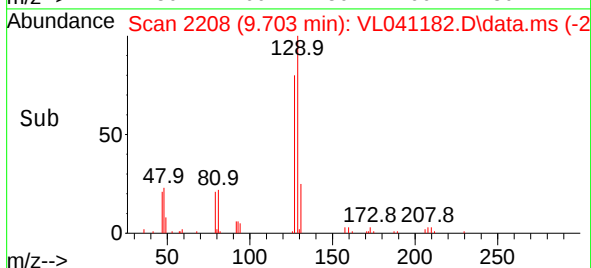
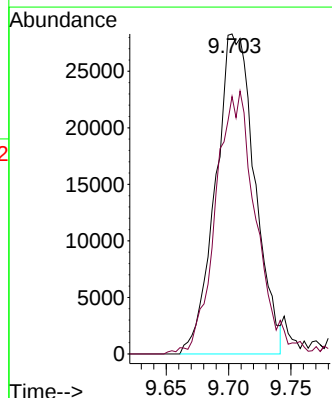
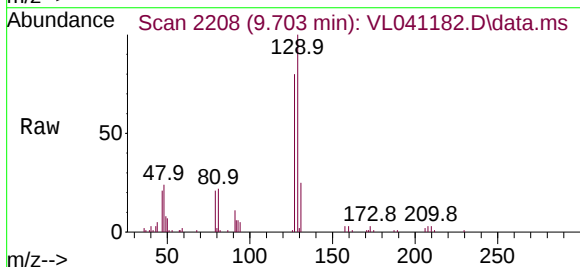
Acq: 29 Apr 2024 13:28

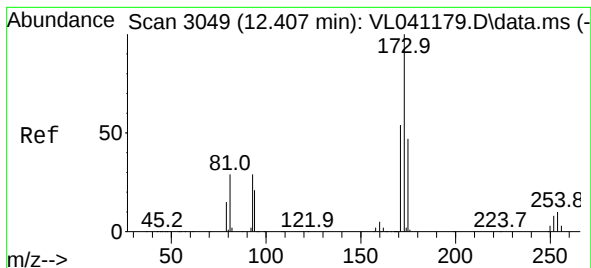
Tgt Ion: 129 Resp: 62014

Ion Ratio Lower Upper

129 100

127 85.9 39.1 117.5





#49

Bromoform

Concen: 0.429 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

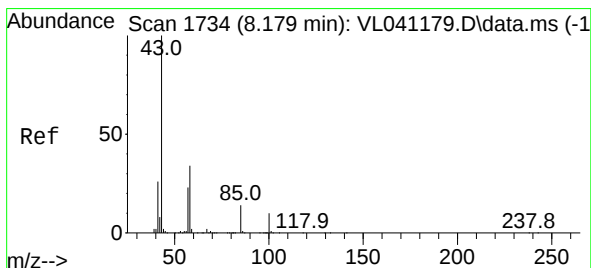
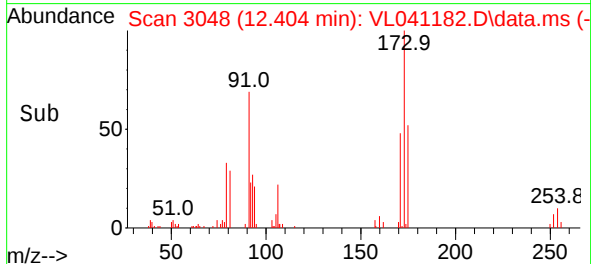
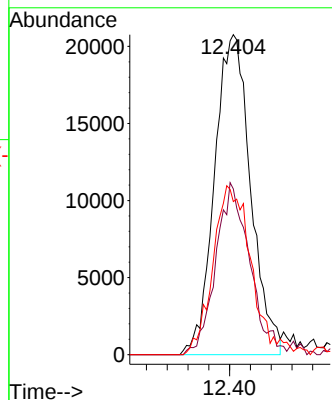
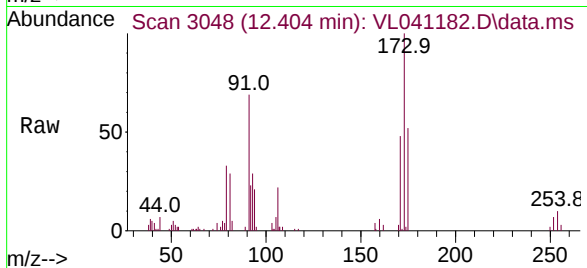
Tgt Ion:173 Resp: 50079

Ion Ratio Lower Upper

173 100

175 52.0 39.8 59.8

171 56.0 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.488 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.016 min

Lab File: VL041182.D

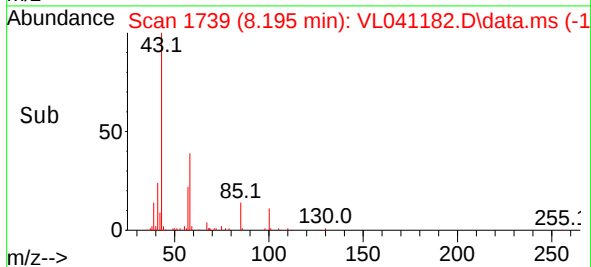
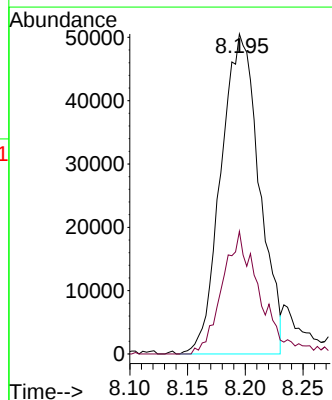
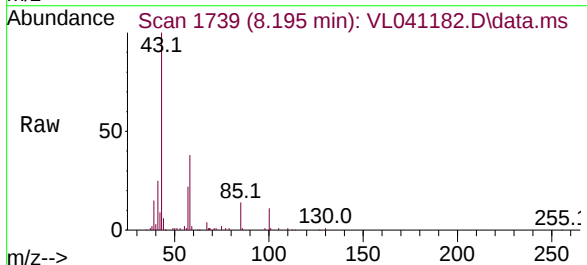
Acq: 29 Apr 2024 13:28

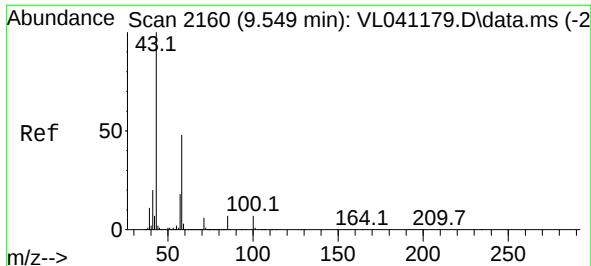
Tgt Ion: 43 Resp: 116934

Ion Ratio Lower Upper

43 100

58 39.2 27.7 41.5

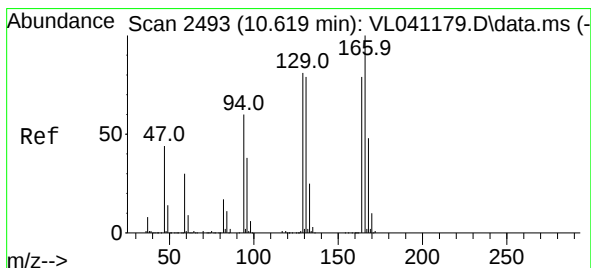
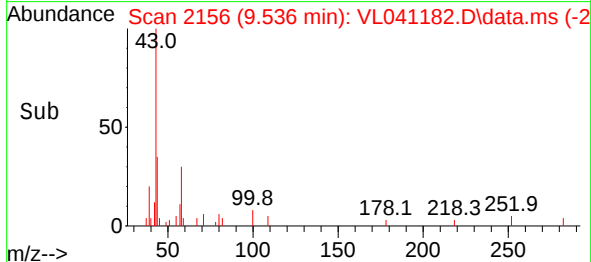
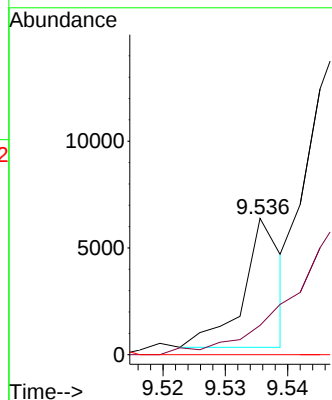
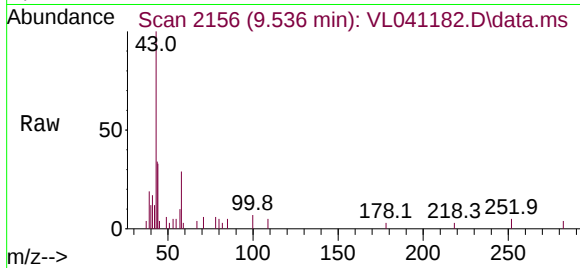




#51
2-Hexanone
Concen: 0.015 ppbv
RT: 9.536 min Scan# 2160
Delta R.T. -0.013 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

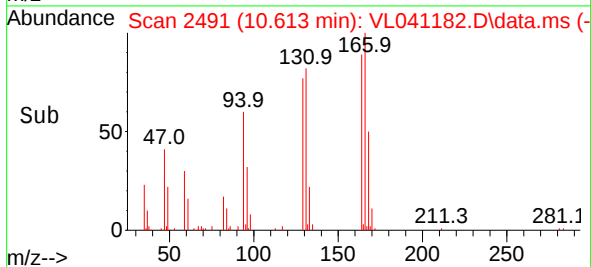
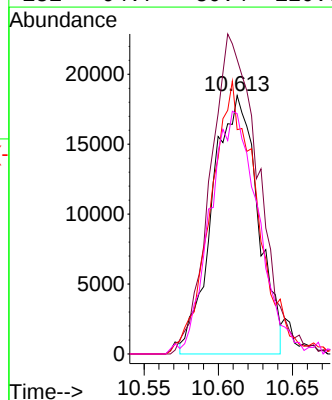
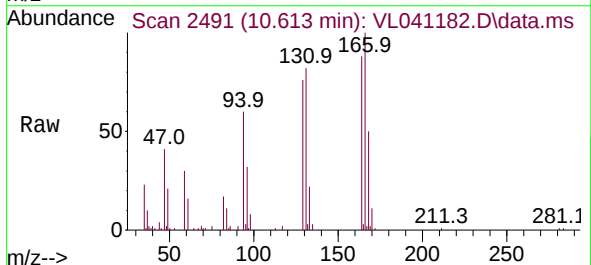
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

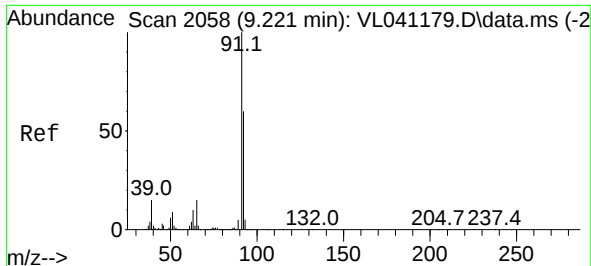
Tgt Ion: 43 Resp: 2606
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.510 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.007 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion:164 Resp: 39233
Ion Ratio Lower Upper
164 100
166 113.0 101.1 151.7
129 85.2 81.7 122.5
131 94.7 80.4 120.6





#53

Toluene

Concen: 0.506 ppbv

RT: 9.214 min Scan# 2058

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

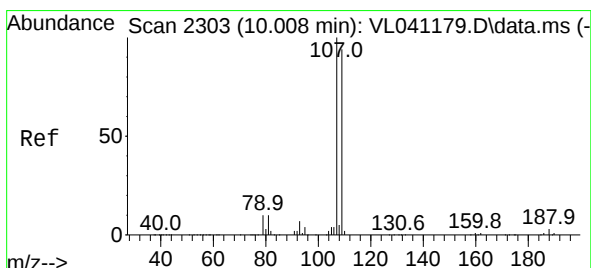
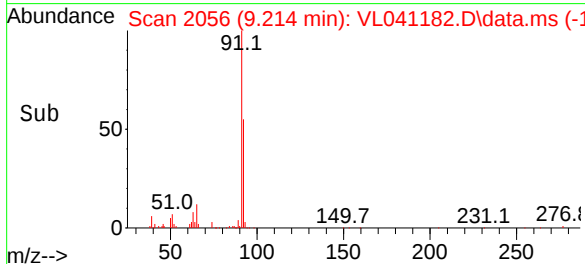
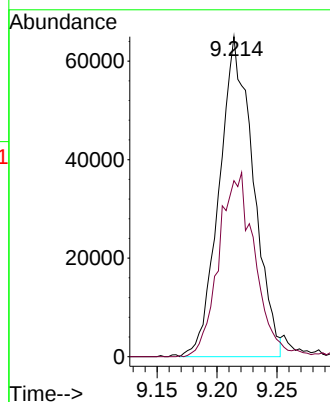
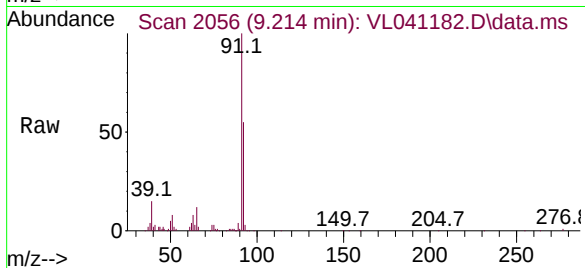
VSTDIC0.5

Tgt Ion: 91 Resp: 128755

Ion Ratio Lower Upper

91 100

92 61.6 48.2 72.4



#54

1,2-Dibromoethane

Concen: 0.281 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041182.D

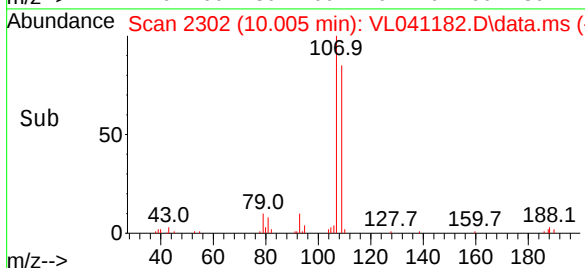
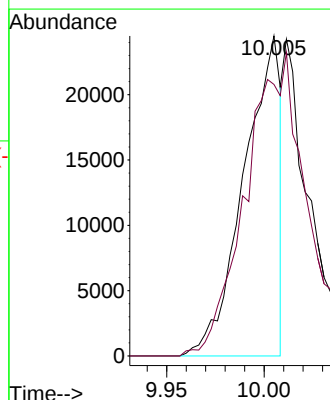
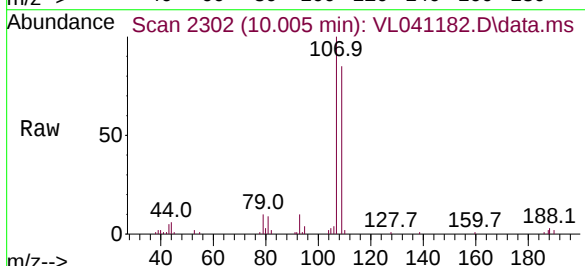
Acq: 29 Apr 2024 13:28

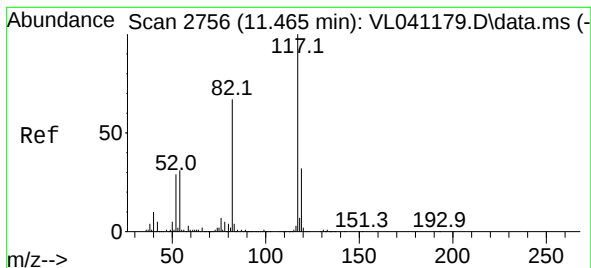
Tgt Ion: 107 Resp: 32026

Ion Ratio Lower Upper

107 100

109 84.8 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

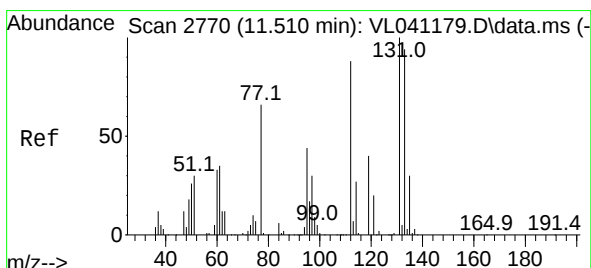
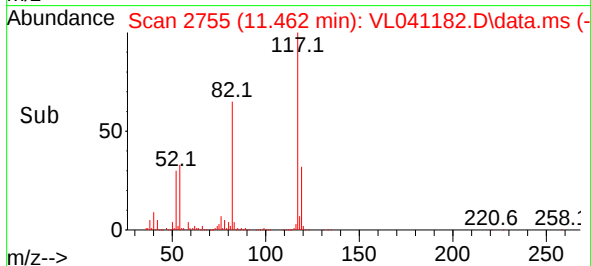
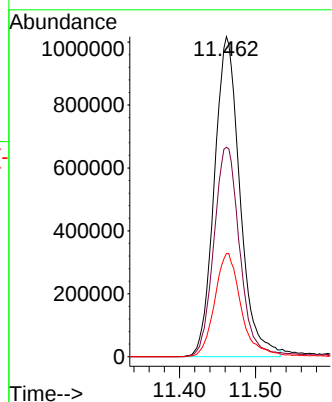
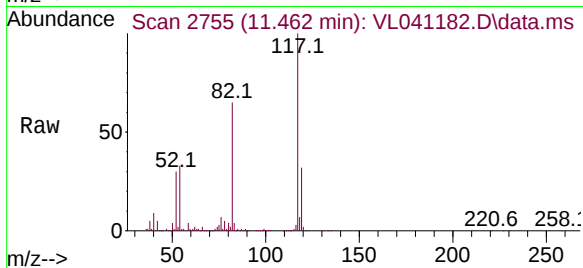
Tgt Ion:117 Resp: 2380091

Ion Ratio Lower Upper

117 100

82 67.9 53.6 80.4

119 33.8 27.2 40.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.486 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

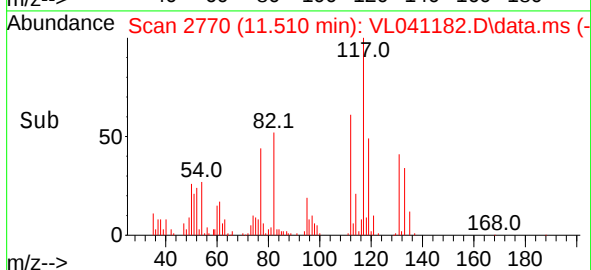
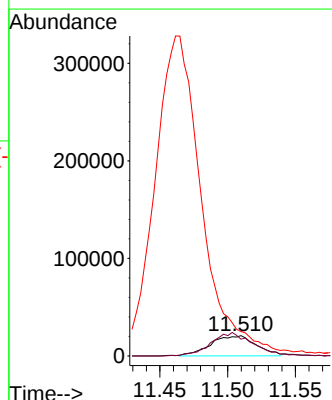
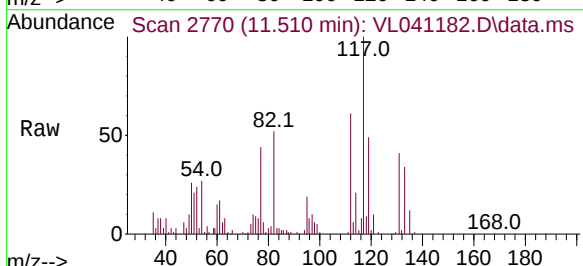
Tgt Ion:131 Resp: 47893

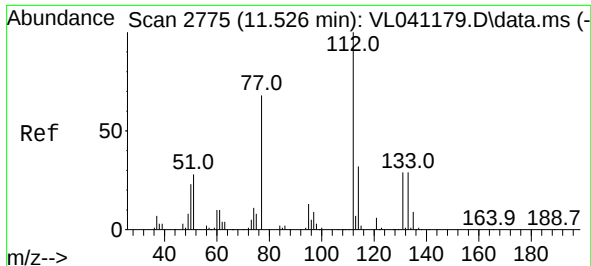
Ion Ratio Lower Upper

131 100

133 110.4 76.3 114.5

119 1678.5 49.4 74.2#

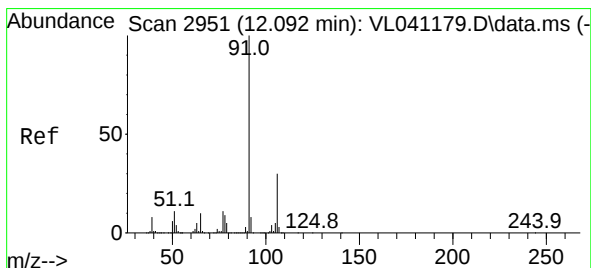
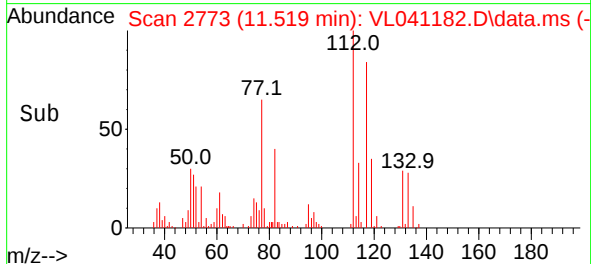
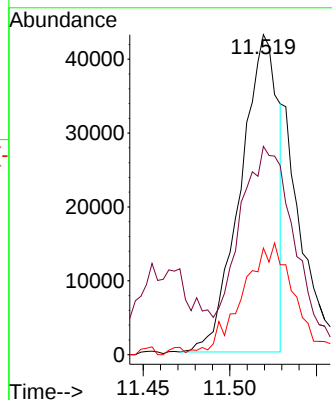
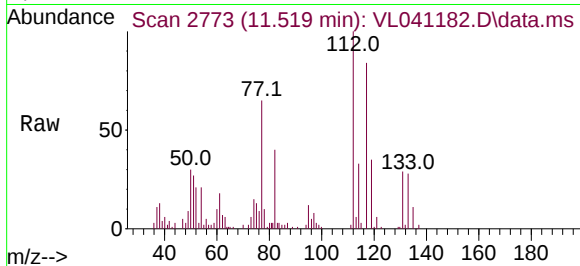




#57
Chlorobenzene
Concen: 0.373 ppbv
RT: 11.519 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

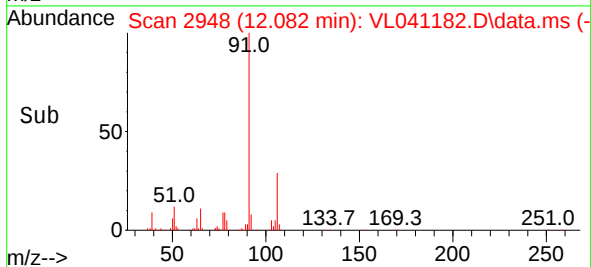
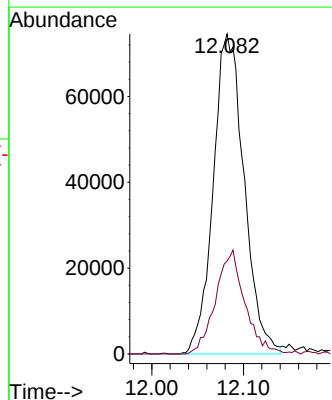
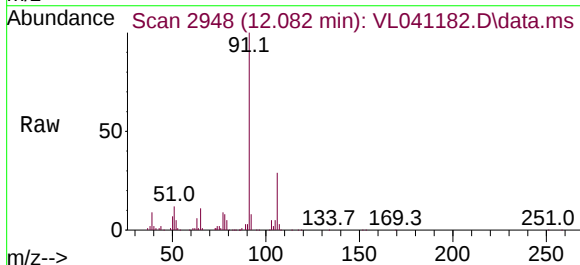
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

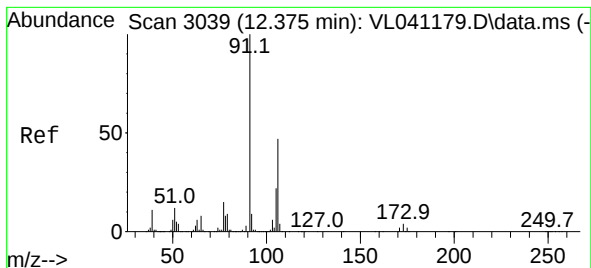
Tgt Ion:112 Resp: 64879
Ion Ratio Lower Upper
112 100
77 38.6 54.9 82.3#
114 31.3 28.7 35.1



#58
Ethyl Benzene
Concen: 0.532 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.010 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion: 91 Resp: 174494
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5





#59

m/p-Xylene

Concen: 0.477 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

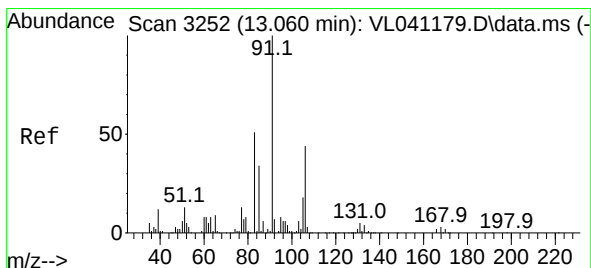
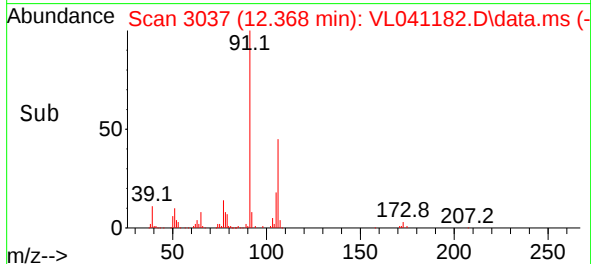
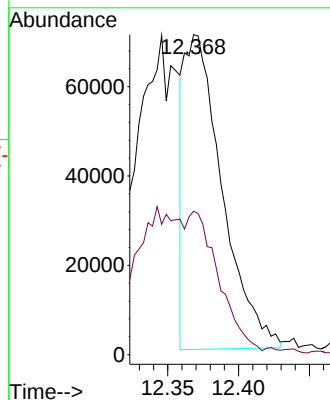
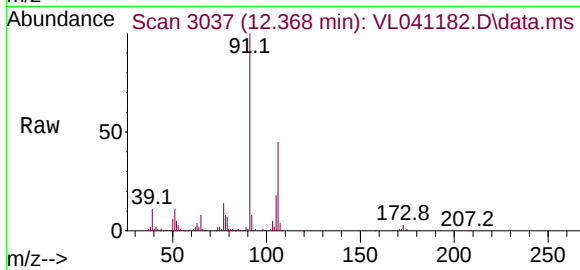
VSTDIC0.5

Tgt Ion: 91 Resp: 131254

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 0.548 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.003 min

Lab File: VL041182.D

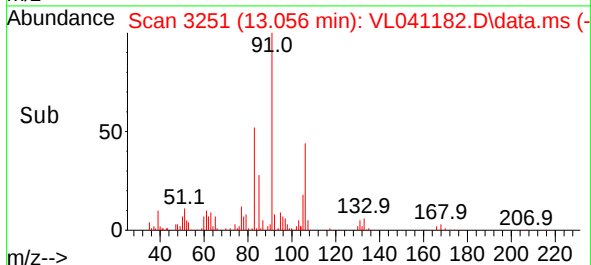
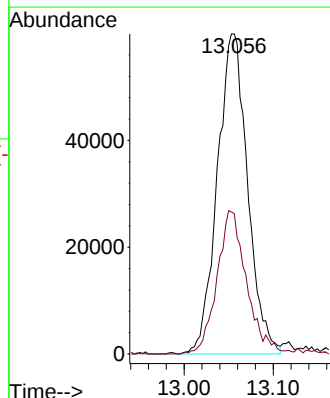
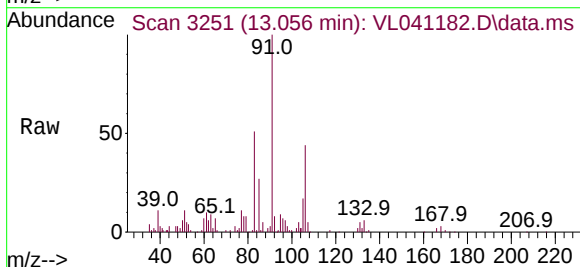
Acq: 29 Apr 2024 13:28

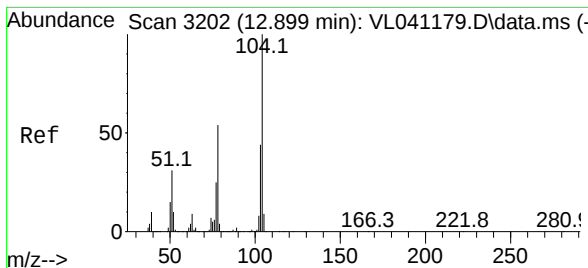
Tgt Ion: 91 Resp: 141598

Ion Ratio Lower Upper

91 100

106 44.5 22.4 67.3





#61

Styrene

Concen: 0.241 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

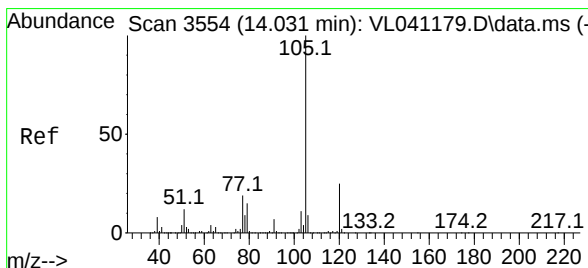
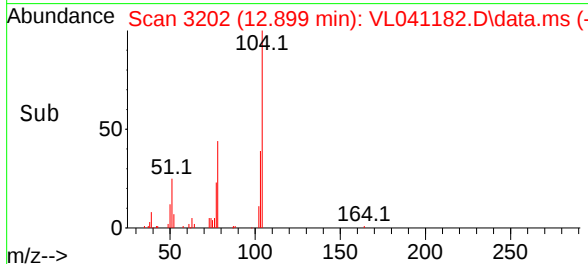
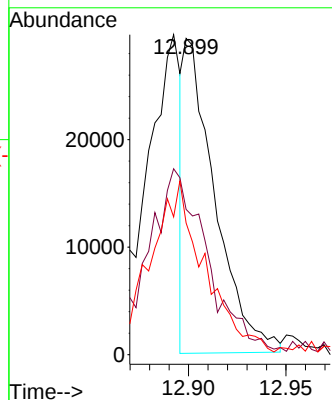
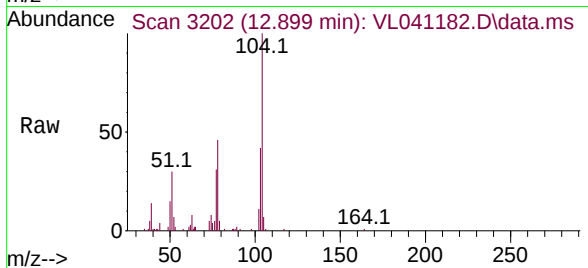
Tgt Ion:104 Resp: 32468

Ion Ratio Lower Upper

104 100

78 0.0 42.6 63.8#

103 100.6 38.4 57.6#



#62

Isopropylbenzene

Concen: 0.538 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. -0.003 min

Lab File: VL041182.D

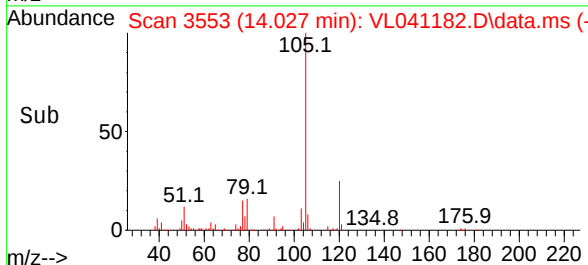
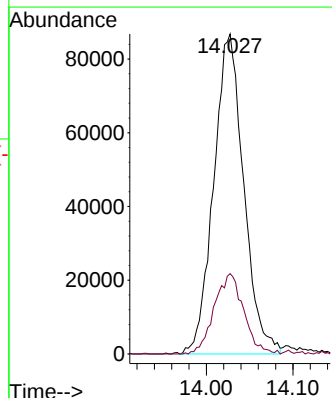
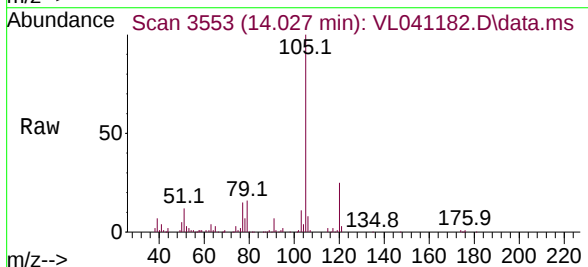
Acq: 29 Apr 2024 13:28

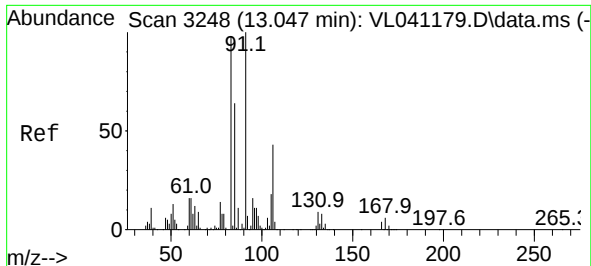
Tgt Ion:105 Resp: 208977

Ion Ratio Lower Upper

105 100

120 24.6 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.267 ppbv

RT: 13.047 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

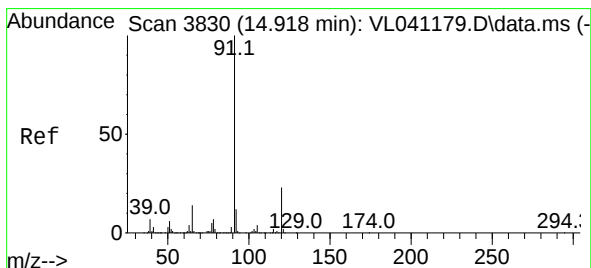
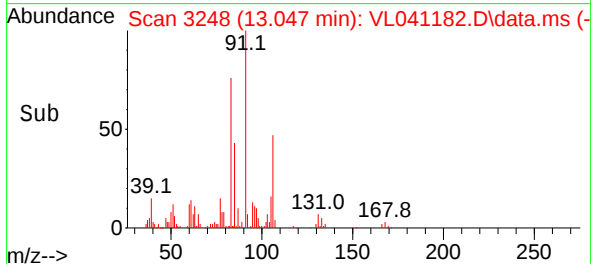
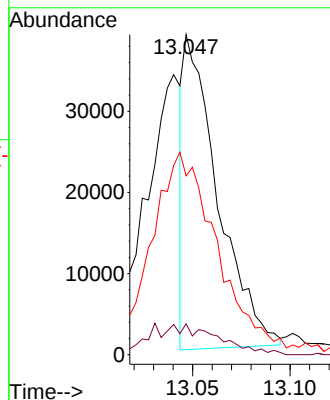
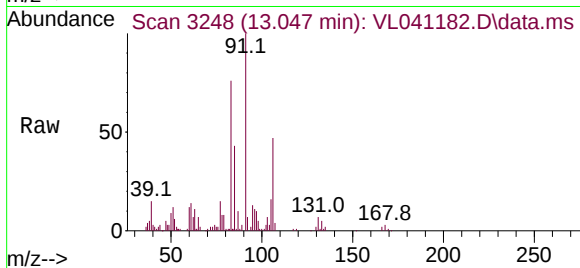
Tgt Ion: 83 Resp: 46831

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 132.1 32.7 98.1#



#64

n-propylbenzene

Concen: 0.496 ppbv

RT: 14.908 min Scan# 3827

Delta R.T. -0.010 min

Lab File: VL041182.D

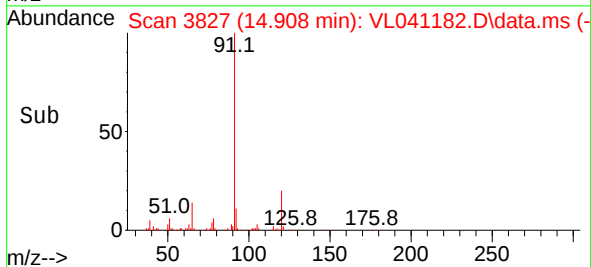
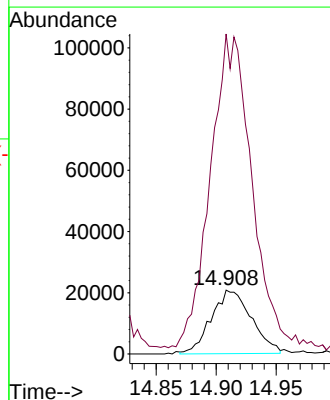
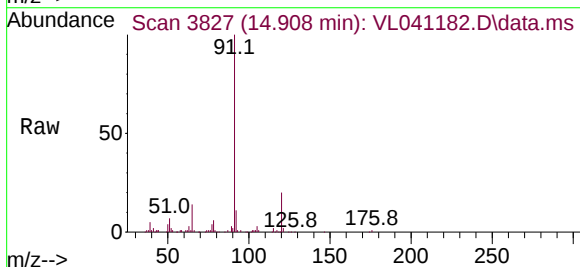
Acq: 29 Apr 2024 13:28

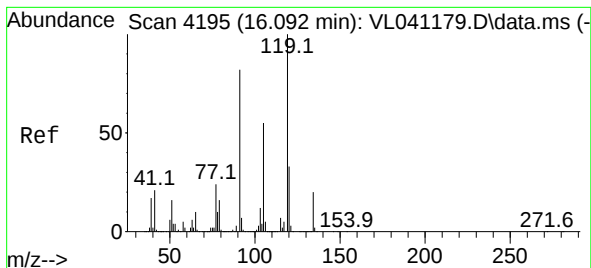
Tgt Ion:120 Resp: 48252

Ion Ratio Lower Upper

120 100

91 547.3 384.8 577.2





#65

tert-Butylbenzene

Concen: 0.297 ppbv

RT: 16.085 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

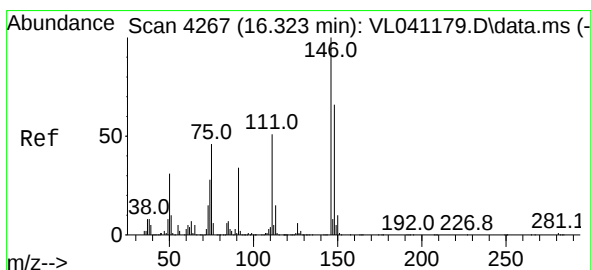
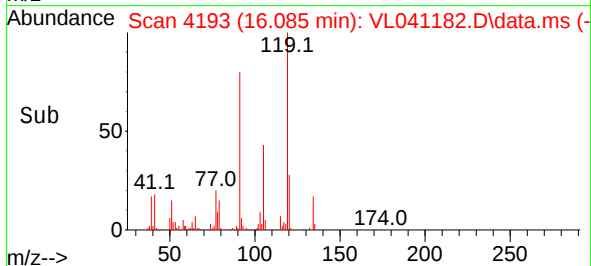
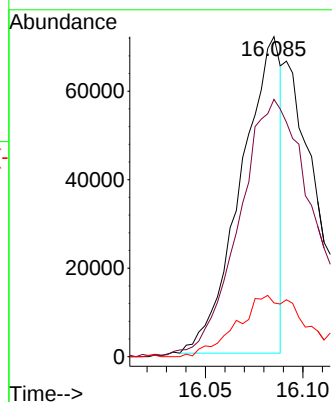
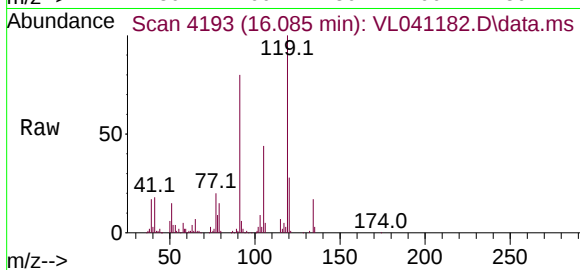
Tgt Ion:119 Resp: 101954

Ion Ratio Lower Upper

119 100

91 159.5 67.0 100.4#

134 35.4 15.2 22.8#



#66

Benzyl Chloride

Concen: 0.138 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

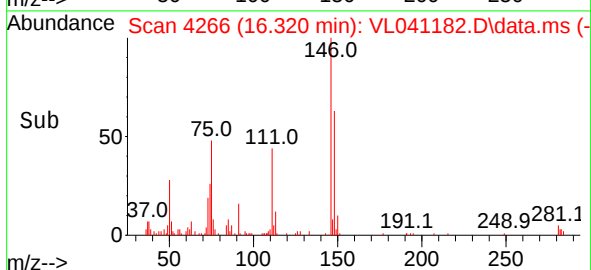
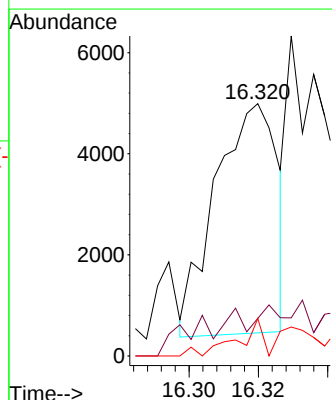
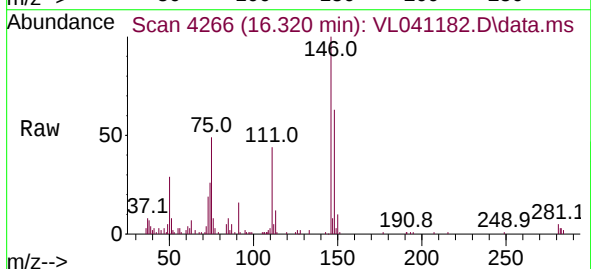
Tgt Ion: 91 Resp: 5633

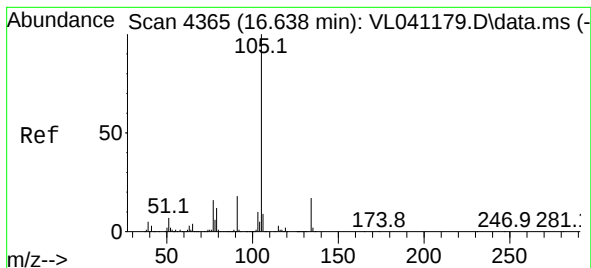
Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

128 18.6 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.559 ppbv

RT: 16.638 min Scan# 4365

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

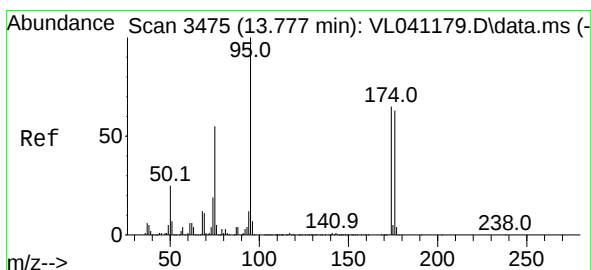
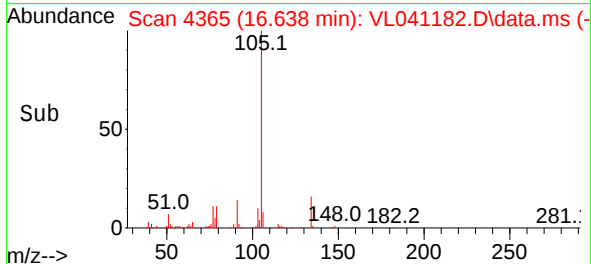
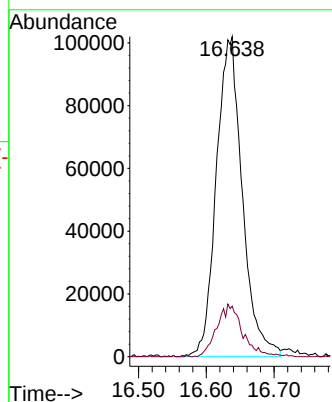
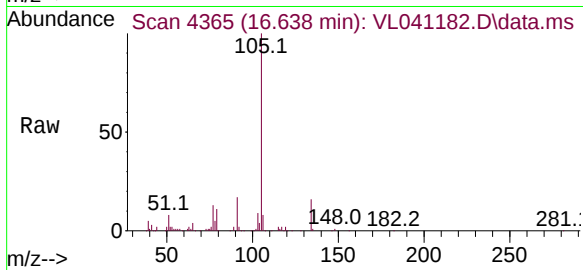
VSTDIC0.5

Tgt Ion:105 Resp: 271038

Ion Ratio Lower Upper

105 100

134 16.4 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.016 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

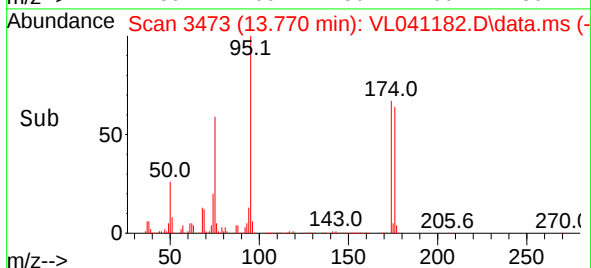
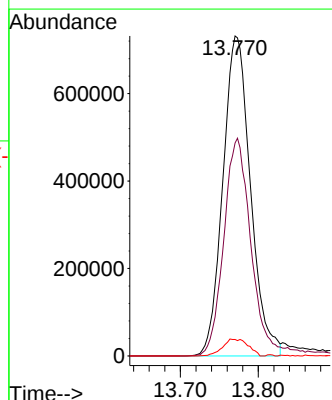
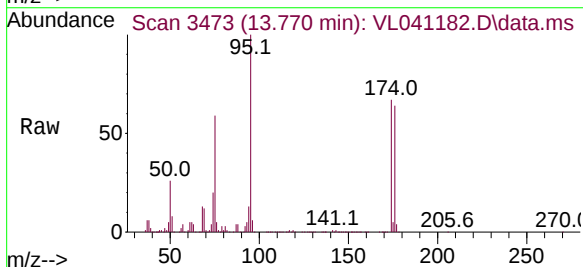
Tgt Ion: 95 Resp: 1800448

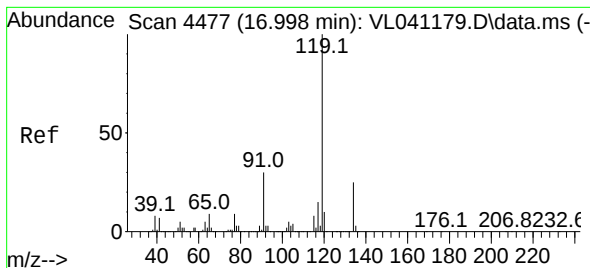
Ion Ratio Lower Upper

95 100

174 70.0 53.6 80.4

175 5.0 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.286 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

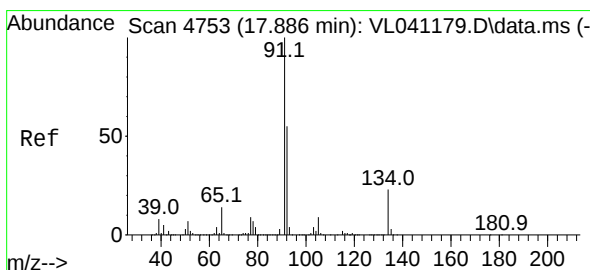
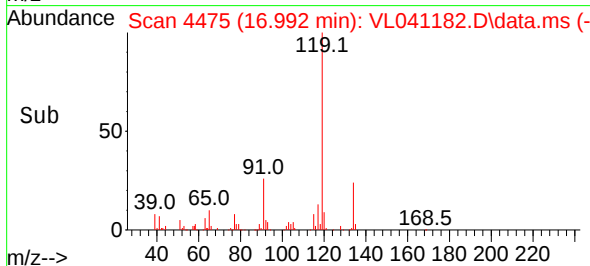
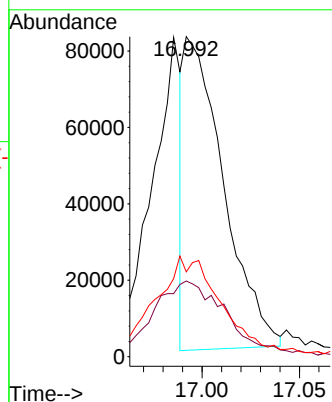
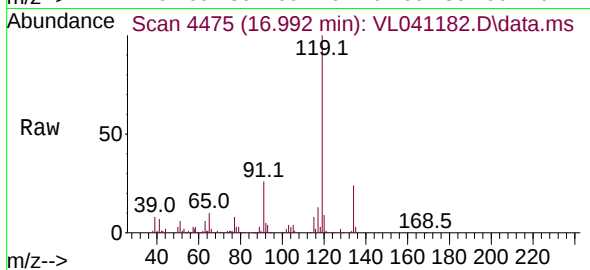
Tgt Ion:119 Resp: 115071

Ion Ratio Lower Upper

119 100

134 47.5 20.1 30.1#

91 56.7 24.2 36.2#



#70

n-Butylbenzene

Concen: 0.525 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

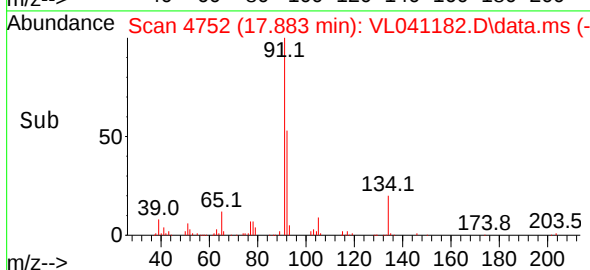
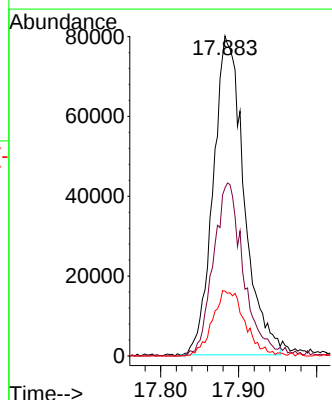
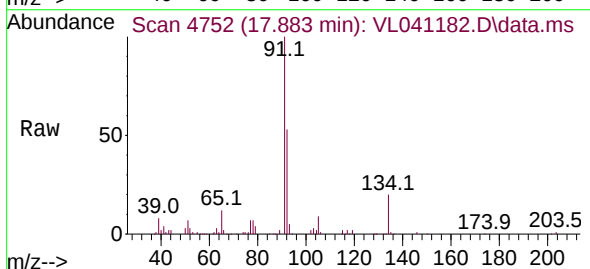
Tgt Ion: 91 Resp: 219542

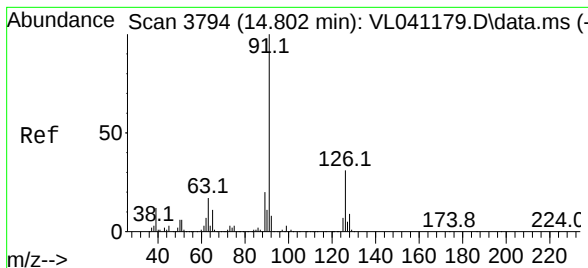
Ion Ratio Lower Upper

91 100

92 54.0 43.3 64.9

134 21.9 17.8 26.8

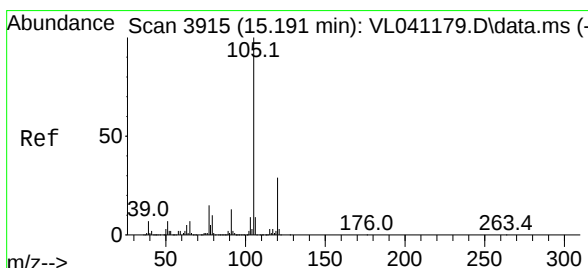
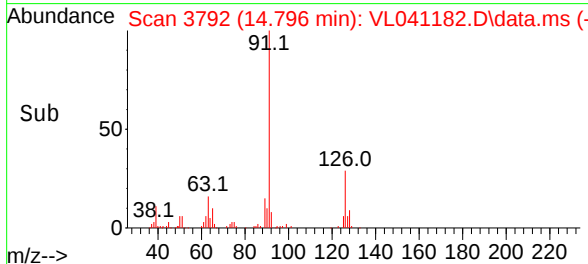
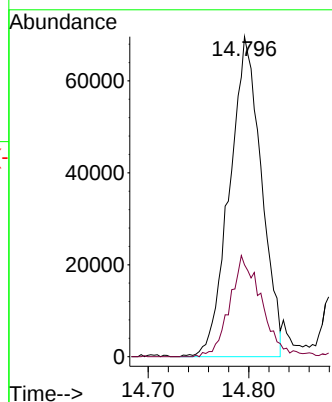
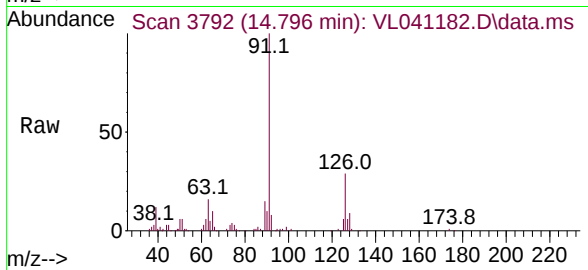




#71
2-Chlorotoluene
Concen: 0.517 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

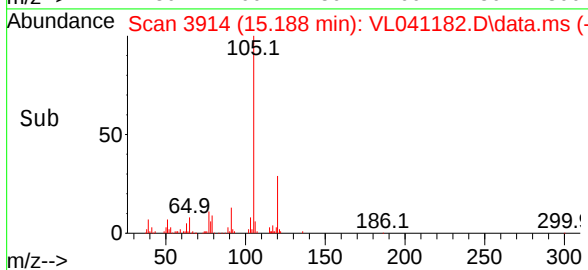
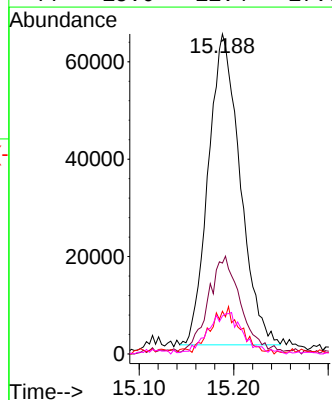
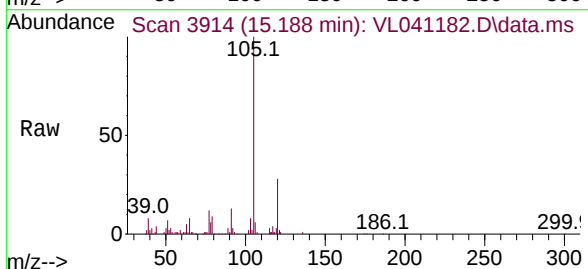
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

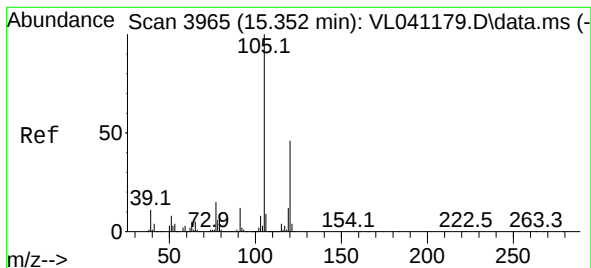
Tgt Ion: 91 Resp: 153334
Ion Ratio Lower Upper
91 100
126 31.9 12.2 48.8



#72
4-Ethyltoluene
Concen: 0.505 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041182.D
Acq: 29 Apr 2024 13:28

Tgt Ion:105 Resp: 148749
Ion Ratio Lower Upper
105 100
120 34.2 24.7 37.1
91 13.3 10.3 15.5
77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.511 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

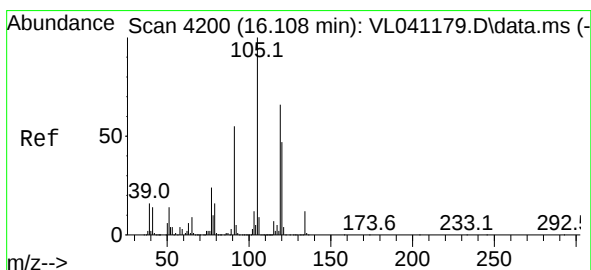
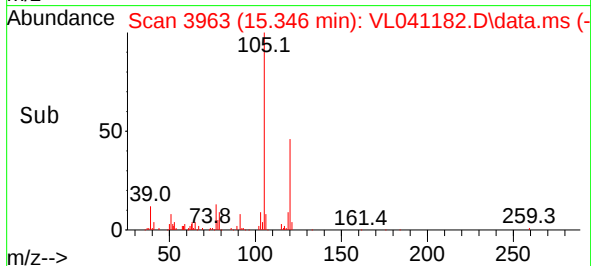
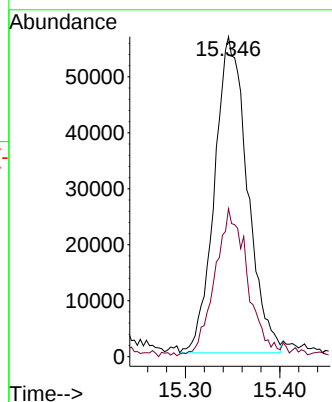
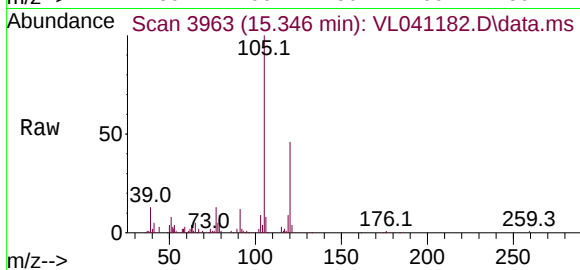
VSTDIC0.5

Tgt Ion:105 Resp: 136424

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 0.529 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.007 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Tgt Ion:105 Resp: 153694

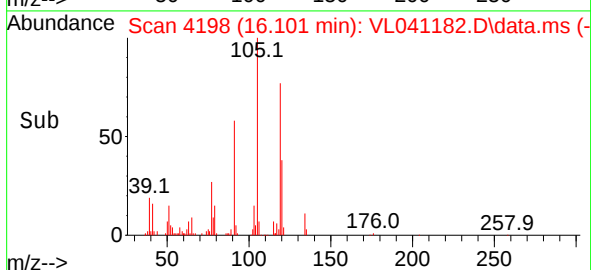
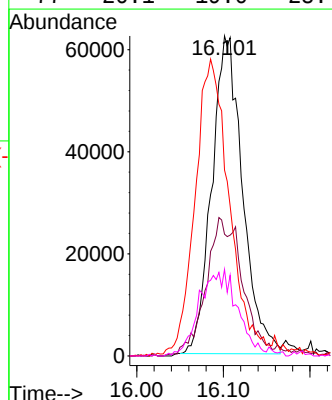
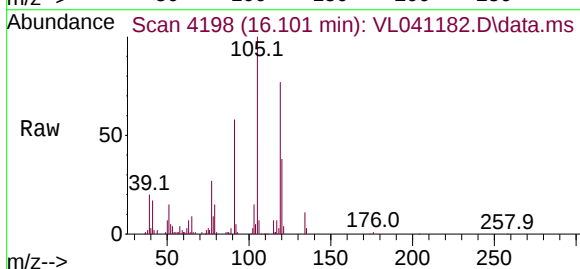
Ion Ratio Lower Upper

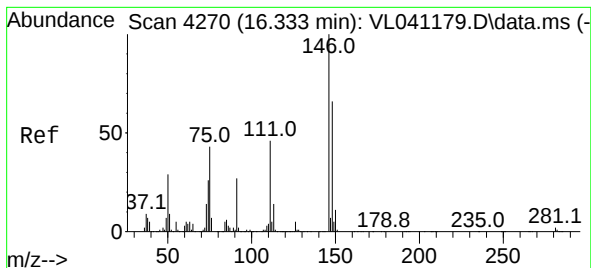
105 100

120 35.6 37.8 56.6#

91 56.7 44.3 66.5

77 26.1 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.270 ppbv

RT: 16.329 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

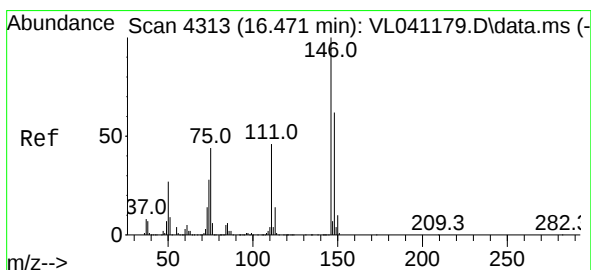
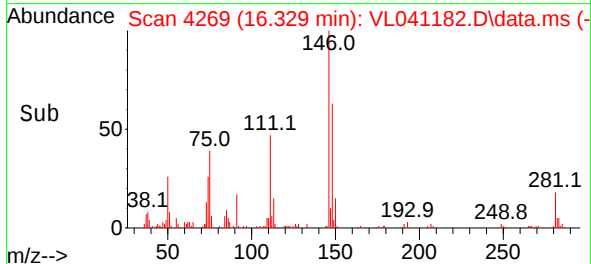
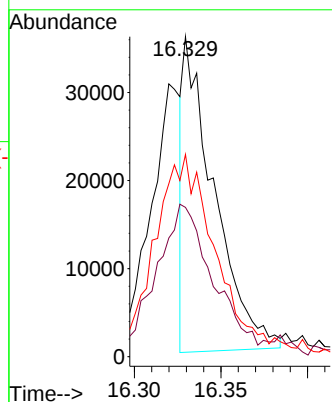
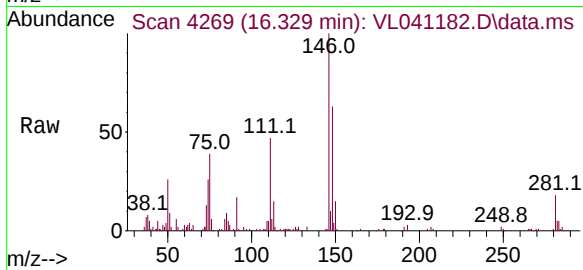
Tgt Ion:146 Resp: 44111

Ion Ratio Lower Upper

146 100

111 99.5 23.7 71.1#

148 132.8 32.5 97.4#



#76

1,4-Dichlorobenzene

Concen: 0.498 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. -0.000 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

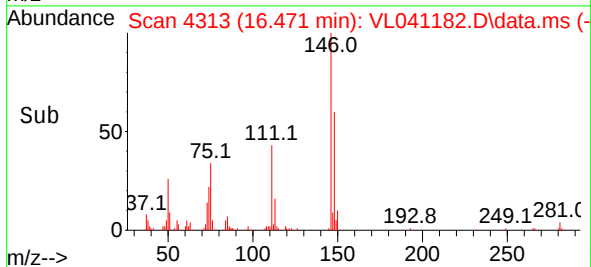
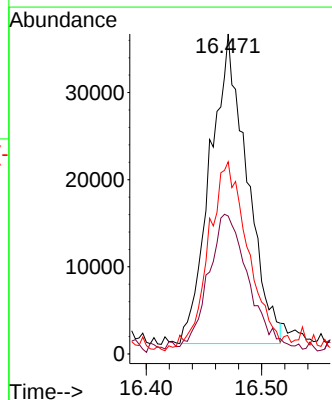
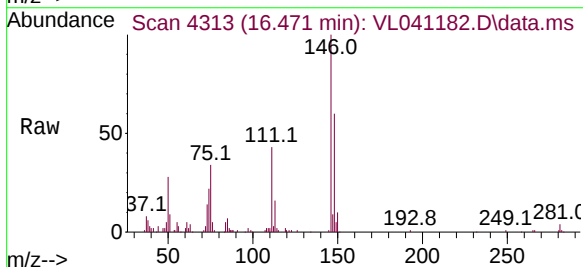
Tgt Ion:146 Resp: 79333

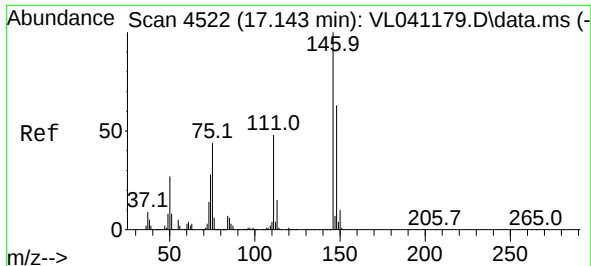
Ion Ratio Lower Upper

146 100

111 55.0 23.3 69.8

148 69.8 32.6 97.7

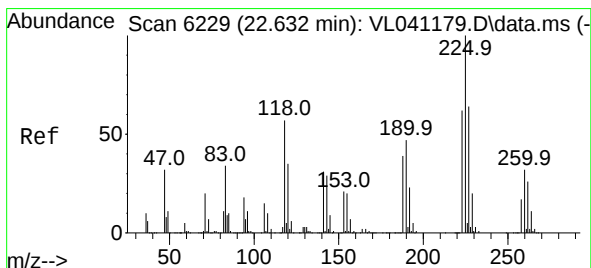
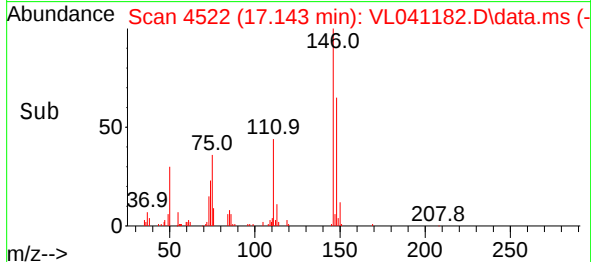
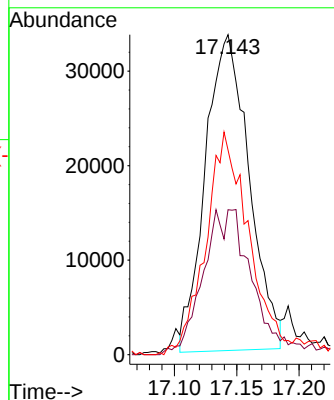
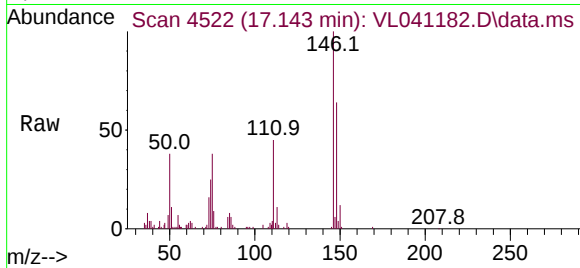




#77
 1,2-Dichlorobenzene
 Concen: 0.494 ppbv
 RT: 17.143 min Scan# 4522
 Delta R.T. -0.000 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

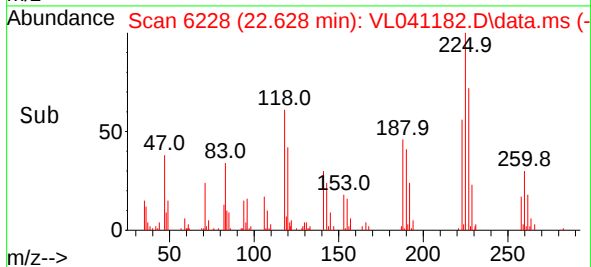
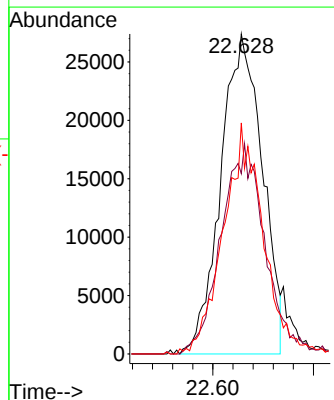
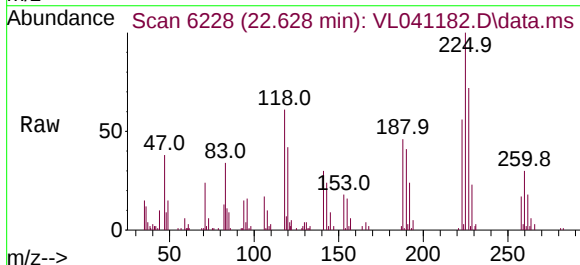
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

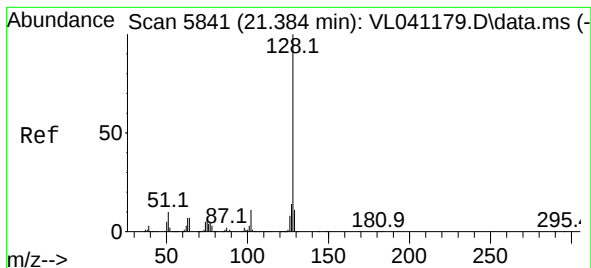
Tgt Ion:146 Resp: 81691
 Ion Ratio Lower Upper
 146 100
 111 52.7 24.5 73.5
 148 73.8 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.533 ppbv
 RT: 22.628 min Scan# 6228
 Delta R.T. -0.003 min
 Lab File: VL041182.D
 Acq: 29 Apr 2024 13:28

Tgt Ion:225 Resp: 78381
 Ion Ratio Lower Upper
 225 100
 223 69.9 50.9 76.3
 227 69.5 52.0 78.0





#79

Naphthalene

Concen: 0.449 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. 0.003 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

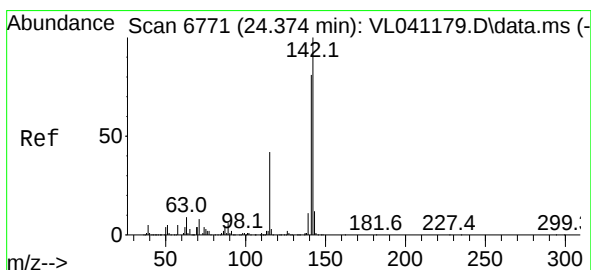
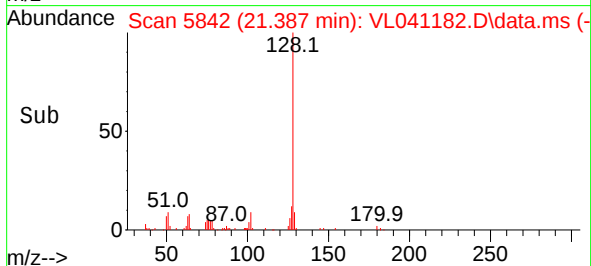
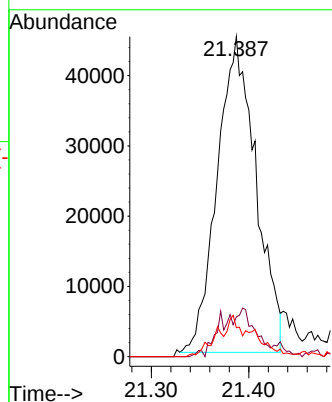
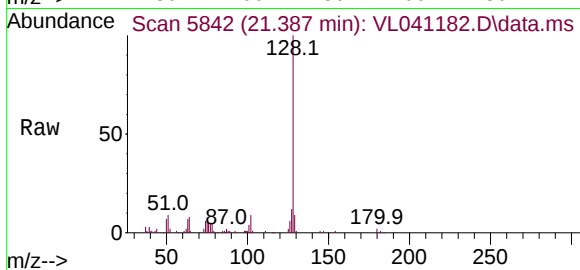
Tgt Ion:128 Resp: 123730

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 9.2 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 0.166 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.006 min

Lab File: VL041182.D

Acq: 29 Apr 2024 13:28

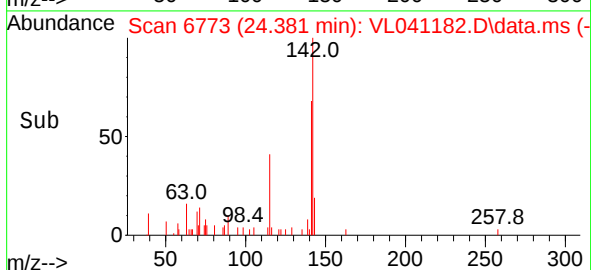
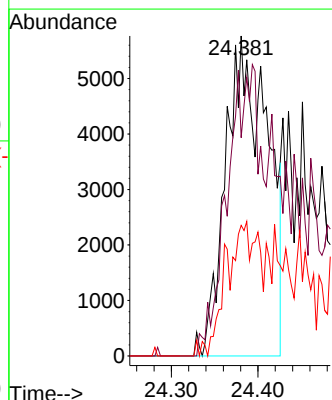
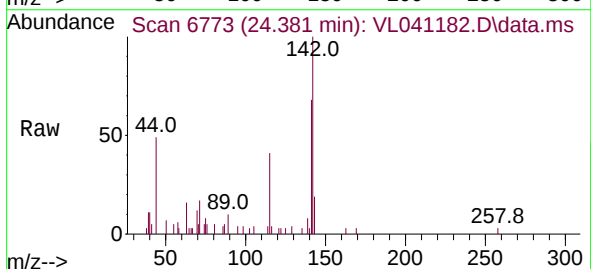
Tgt Ion:142 Resp: 19286

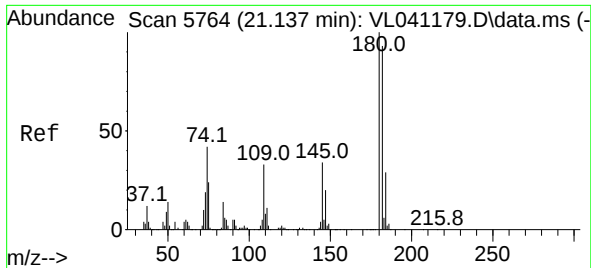
Ion Ratio Lower Upper

142 100

141 142.6 67.9 101.9#

115 37.8 31.4 47.0





#81

1,2,4-Trichlorobenzene

Concen: 0.154 ppbv

RT: 21.130 min Scan# 51

Delta R.T. -0.007 min

Lab File: VL041182.D

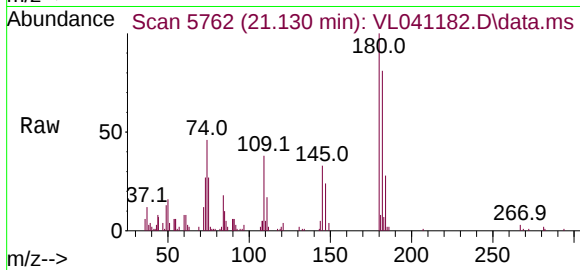
Acq: 29 Apr 2024 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 22659

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8#

184 93.1 24.6 36.8#

