

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041297.D
 Acq On : 4 Jun 2024 8:32
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jun 05 07:00:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	998276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2632945	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2441570	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1942626	10.305	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.755	85	98935	0.621	ppbv	97
3) Chlorodifluoromethane	2.700	51	85594	0.543	ppbv	100
4) Chloromethane	2.838	50	31630	0.533	ppbv	98
5) Vinyl Chloride	2.944	62	30775	0.514	ppbv	96
6) Bromomethane	3.140	94	6097	0.287	ppbv	97
7) Chloroethane	3.214	64	11402	0.554	ppbv #	84
8) Dichlorotetrafluoroethane	2.880	85	79231	0.540	ppbv	96
9) Propene	2.722	41	29823	0.531	ppbv	98
10) Heptane	7.581	43	66097	0.496	ppbv	94
11) Trichlorofluoromethane	3.581	101	76403	0.521	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.082	101	53708	0.519	ppbv	92
13) Ethanol	3.288	45	6148	0.421	ppbv	90
14) Bromoethene	3.388	108	21435	0.512	ppbv #	94
15) Acetone	3.500	43	63263	0.555	ppbv	98
16) 1,3-Butadiene	3.009	39	29275	0.511	ppbv	95
17) tert-Butyl alcohol	3.912	59	48970	0.467	ppbv	100
18) 1,1-Dichloroethene	3.896	96	22123	0.501	ppbv	98
19) Isopropyl Alcohol	3.613	45	30655	0.428	ppbv #	86
20) Methylene Chloride	3.947	84	26515	0.640	ppbv #	81
21) Allyl Chloride	4.012	41	37623	0.521	ppbv	93
22) trans-1,2-Dichloroethene	4.459	96	20562	0.447	ppbv	86
23) Vinyl Acetate	4.642	43	50798	0.436	ppbv #	97
24) 1,1-Dichloroethane	4.571	63	51238	0.500	ppbv #	95
25) Ethyl Acetate	5.221	43	115181	0.511	ppbv	96
26) Hexane	5.224	57	56085	0.553	ppbv	91
27) Carbon Disulfide	4.144	76	51097	0.455	ppbv #	86
28) Methyl tert-Butyl Ether	4.607	73	39056	0.520	ppbv	93
29) Chloroform	5.282	83	81773	0.526	ppbv	85
30) Cyclohexane	6.603	84	39743	0.484	ppbv	86
31) cis-1,2-Dichloroethene	5.086	61	45334	0.473	ppbv	95
32) 1,1,1-Trichloroethane	6.008	97	73811	0.501	ppbv	95
34) 2-Butanone	4.809	43	30253	0.240	ppbv #	54
35) Carbon Tetrachloride	6.497	117	69134	0.462	ppbv	98
36) Benzene	6.375	78	104663	0.513	ppbv	96
37) 1,2-Dichloroethane	5.816	62	57260	0.481	ppbv	98
38) Trichloroethene	7.291	130	40821	0.494	ppbv	91
39) 1,2-Dichloropropane	7.079	63	27959	0.344	ppbv #	81
41) Tetrahydrofuran	5.590	42	37105	0.452	ppbv	91
42) Bromodichloromethane	7.253	83	82044	0.480	ppbv #	92
43) Methyl Methacrylate	7.484	69	29593	0.381	ppbv #	69
44) 2,2,4-Trimethylpentane	7.330	57	176144	0.502	ppbv	97
45) t-1,3-Dichloropropene	8.709	75	5979	0.114	ppbv	98
46) cis-1,3-Dichloropropene	8.143	75	20162	0.299	ppbv	90

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Quant Time: Jun 05 07:00:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.899	97	43776	0.515	ppbv	93
48) Dibromochloromethane	9.706	129	63551	0.454	ppbv	99
49) Bromoform	12.397	173	24914	0.221	ppbv #	26
50) 4-Methyl-2-Pentanone	8.198	43	90721	0.434	ppbv	96
51) 2-Hexanone	9.565	43	20904	0.141	ppbv #	30
52) Tetrachloroethene	10.610	164	37691	0.506	ppbv #	83
53) Toluene	9.217	91	110439	0.470	ppbv	98
54) 1,2-Dibromoethane	10.005	107	54105	0.489	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.503	131	52248	0.506	ppbv #	1
57) Chlorobenzene	11.526	112	41812	0.231	ppbv #	91
58) Ethyl Benzene	12.082	91	145210	0.464	ppbv	91
59) m/p-Xylene	12.365	91	51774	0.193	ppbv #	1
60) o-Xylene	13.053	91	131494	0.514	ppbv	97
61) Styrene	12.896	104	8852	0.071	ppbv #	1
62) Isopropylbenzene	14.021	105	200524	0.519	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	58562	0.322	ppbv #	25
64) n-propylbenzene	14.912	120	36393	0.365	ppbv #	25
65) tert-Butylbenzene	16.082	119	94482	0.275	ppbv #	19
66) Benzyl Chloride	16.317	91	2749	0.122	ppbv #	1
67) sec-Butylbenzene	16.632	105	244415	0.503	ppbv	100
69) p-Isopropyltoluene	16.992	119	199392	0.498	ppbv	97
70) n-Butylbenzene	17.879	91	201058	0.484	ppbv	100
71) 2-Chlorotoluene	14.796	91	82581	0.279	ppbv #	54
72) 4-Ethyltoluene	15.185	105	133547	0.448	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.346	105	131226	0.508	ppbv	88
74) 1,2,4-Trimethylbenzene	16.101	105	145533	0.498	ppbv	94
75) 1,3-Dichlorobenzene	16.323	146	88087	0.513	ppbv	95
76) 1,4-Dichlorobenzene	16.471	146	82266	0.480	ppbv	95
77) 1,2-Dichlorobenzene	17.140	146	50593	0.295	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.628	225	40267	0.286	ppbv #	23
79) Naphthalene	21.378	128	52460	0.207	ppbv	96
80) Naphthalene,2-methyl-	24.377	142	15604	0.182	ppbv #	63
81) 1,2,4-Trichlorobenzene	21.133	180	28987	0.205	ppbv #	1

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

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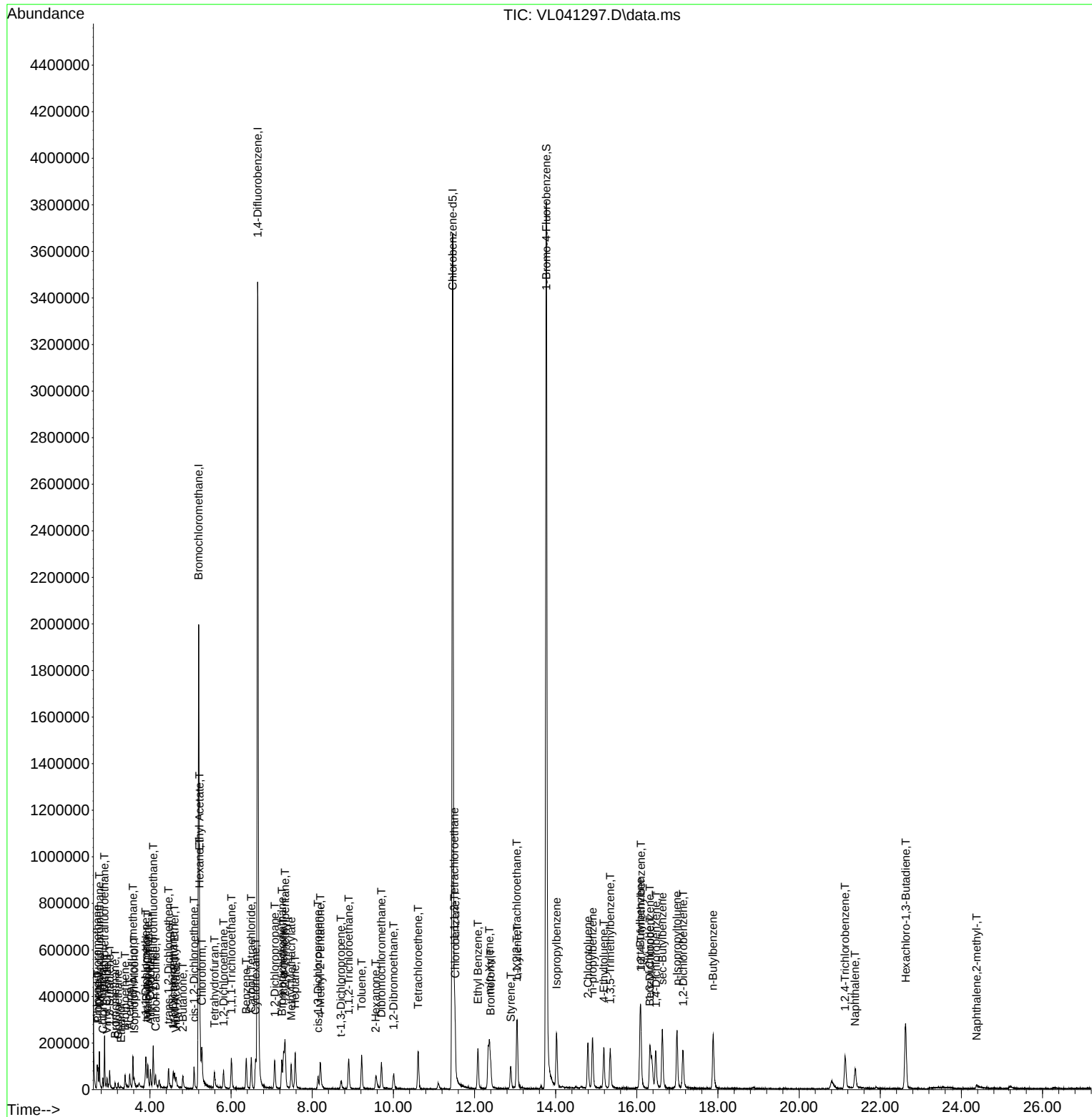
Quant Time: Jun 05 07:00:46 2024

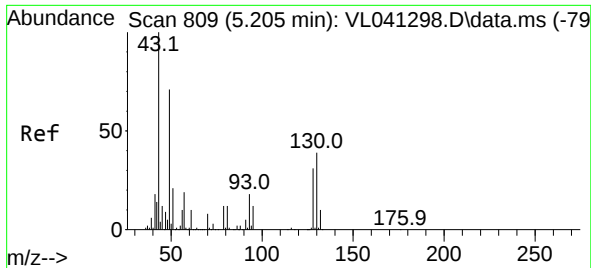
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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QLast Update : Wed Jun 05 04:42:10 2024

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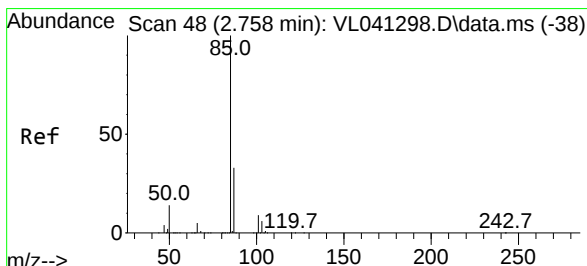
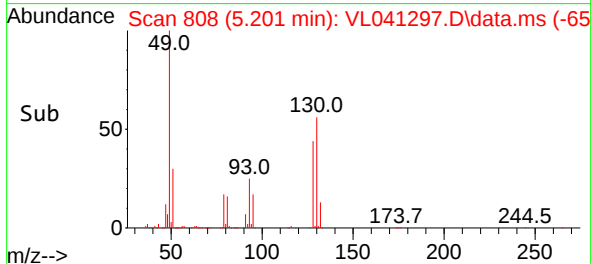
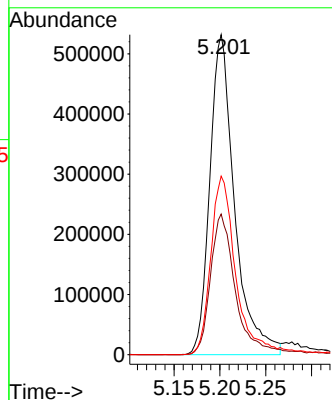
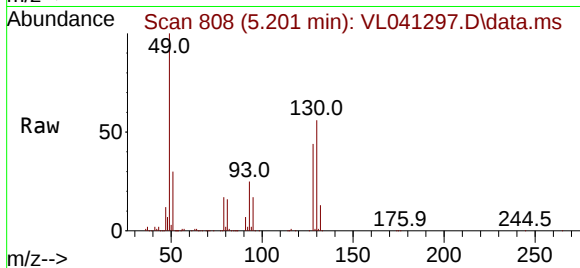




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. -0.004 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

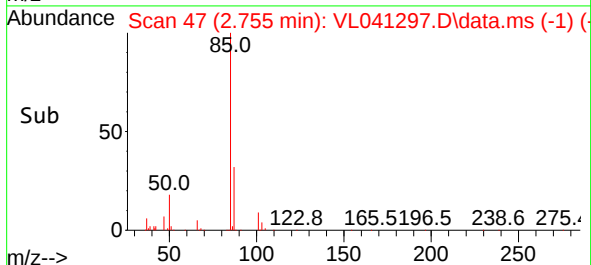
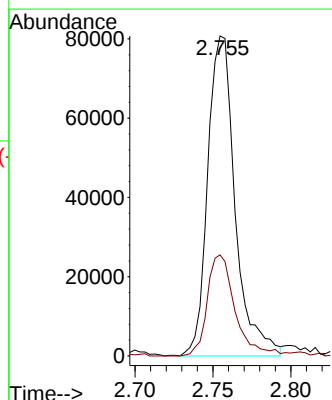
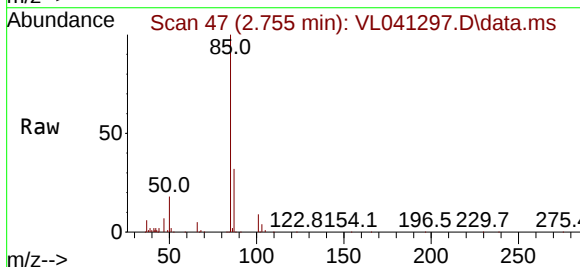
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

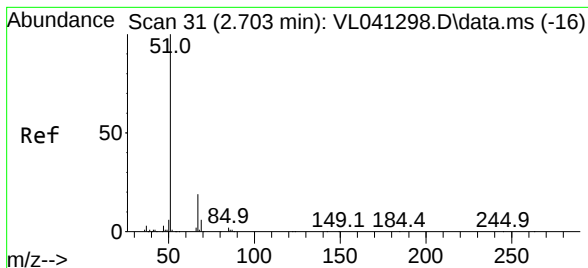
Tgt Ion: 49 Resp: 998276
 Ion Ratio Lower Upper
 49 100
 128 45.7 22.8 68.3
 130 58.2 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 0.621 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. -0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion: 85 Resp: 98935
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.5 39.7

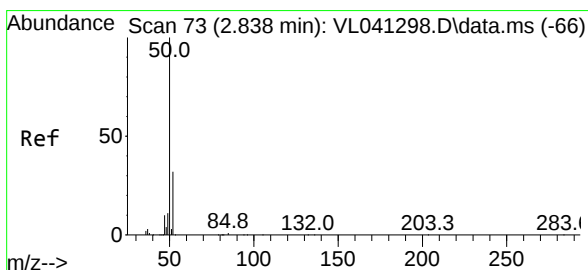
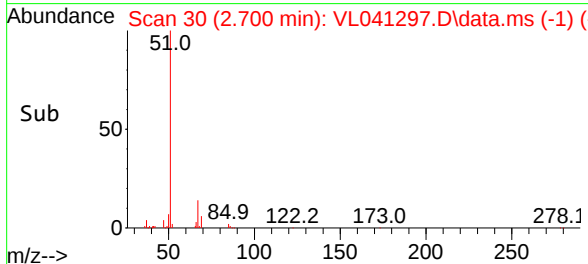
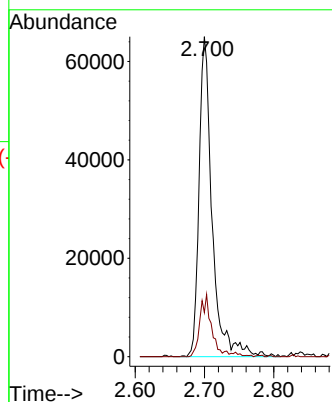
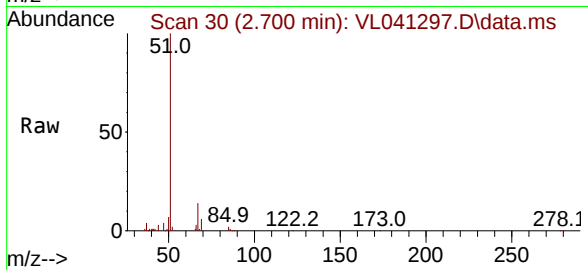




#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

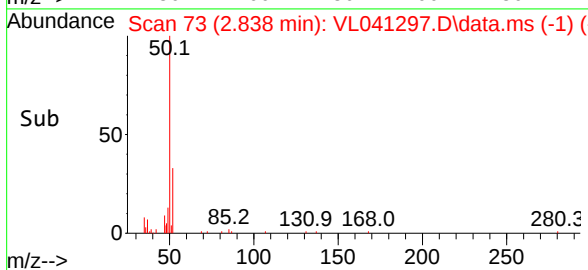
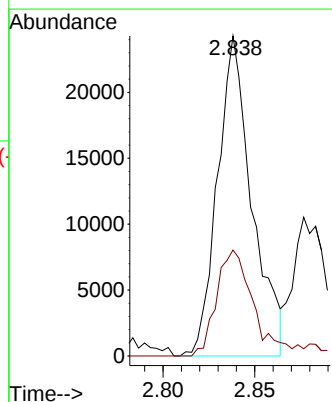
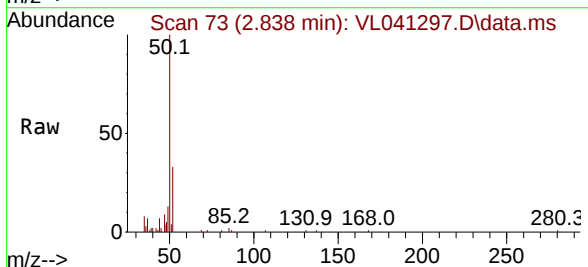
Instrument :
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ClientSampleId :
VSTDIC0.5

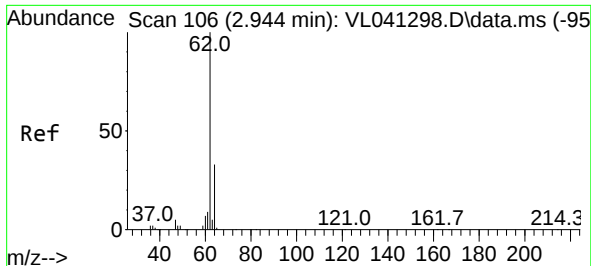
Tgt Ion: 51 Resp: 85594
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1



#4
Chloromethane
Concen: 0.533 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 50 Resp: 31630
Ion Ratio Lower Upper
50 100
52 33.1 25.6 38.4

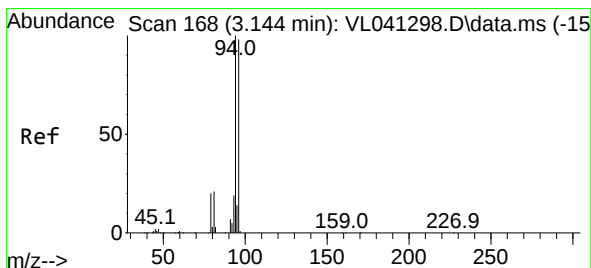
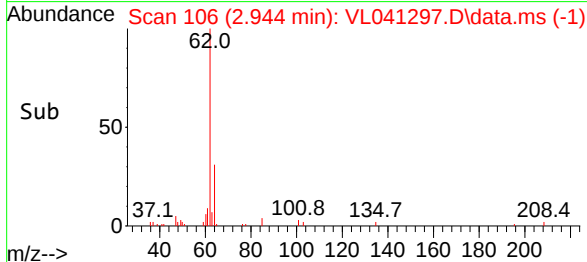
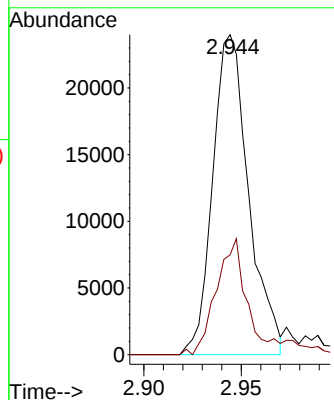
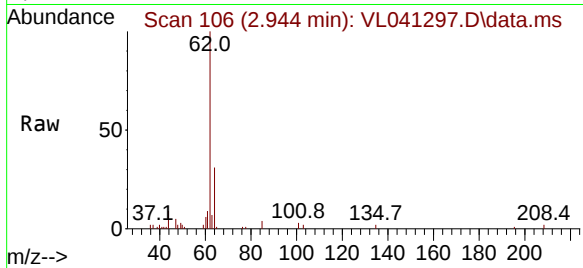




#5
 Vinyl Chloride
 Concen: 0.514 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. -0.000 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

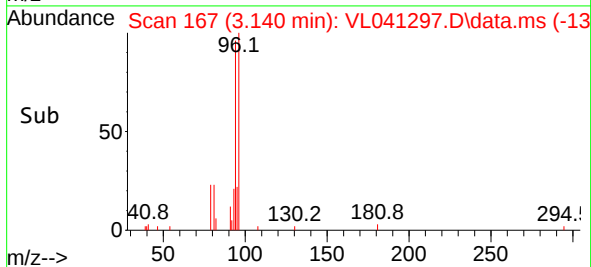
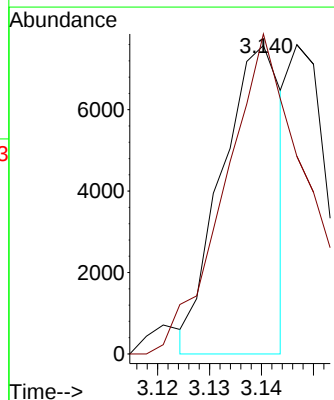
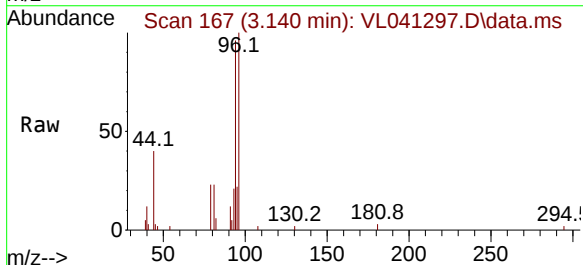
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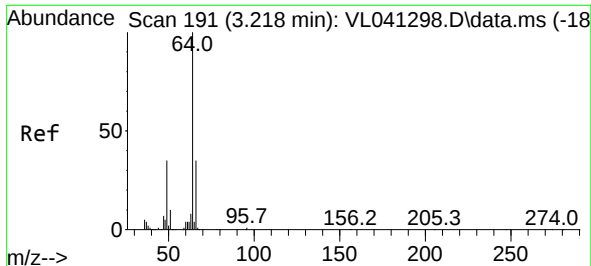
Tgt Ion: 62 Resp: 30775
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.6 40.0



#6
 Bromomethane
 Concen: 0.287 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. -0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion: 94 Resp: 6097
 Ion Ratio Lower Upper
 94 100
 96 95.3 78.6 117.8

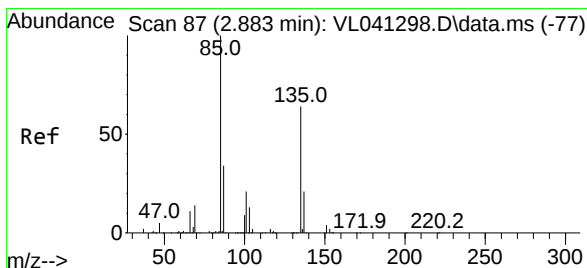
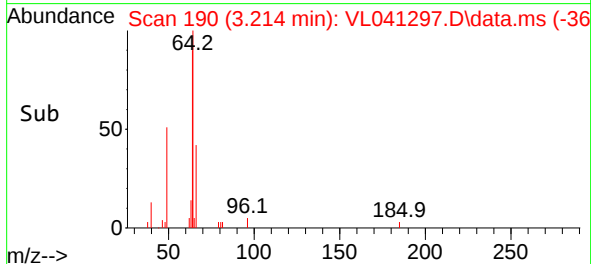
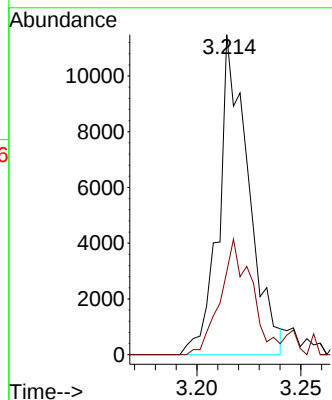
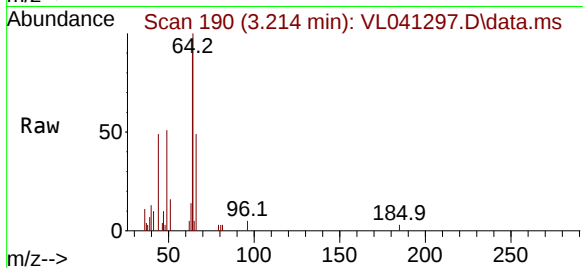




#7
Chloroethane
Concen: 0.554 ppbv
RT: 3.214 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

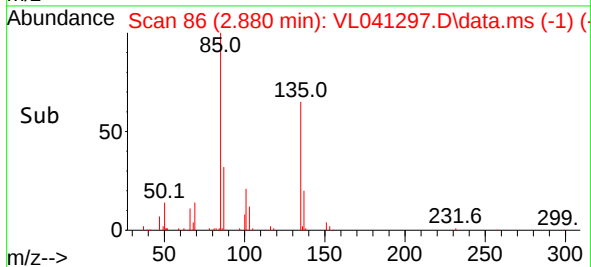
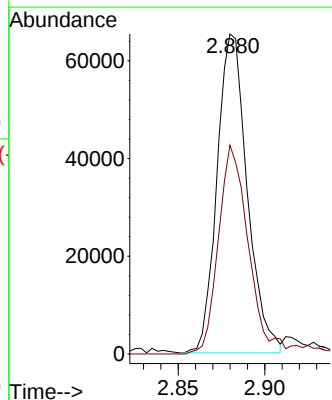
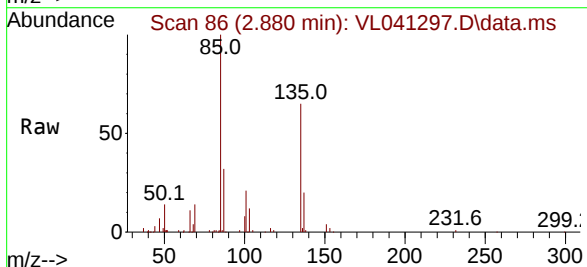
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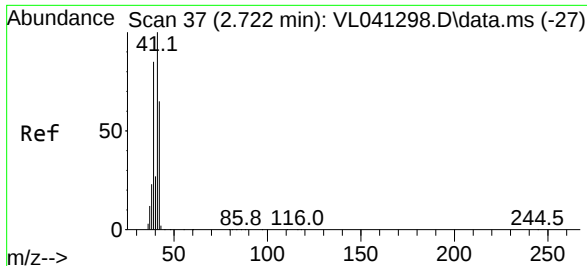
Tgt Ion: 64 Resp: 11402
Ion Ratio Lower Upper
64 100
66 25.9 28.1 42.1#



#8
Dichlorotetrafluoroethane
Concen: 0.540 ppbv
RT: 2.880 min Scan# 86
Delta R.T. -0.003 min
Lab File: VL041297.D
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Tgt Ion: 85 Resp: 79231
Ion Ratio Lower Upper
85 100
135 67.8 51.7 77.5

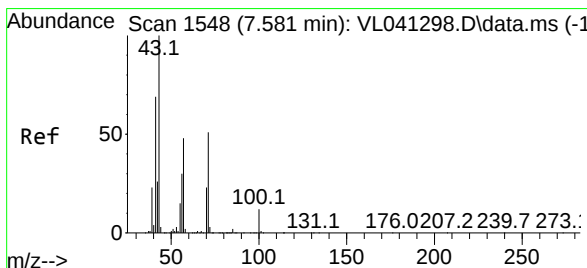
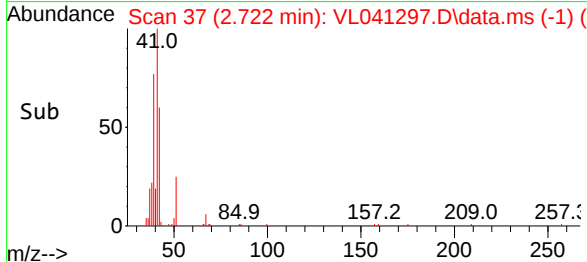
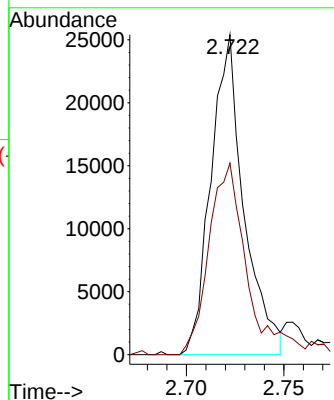
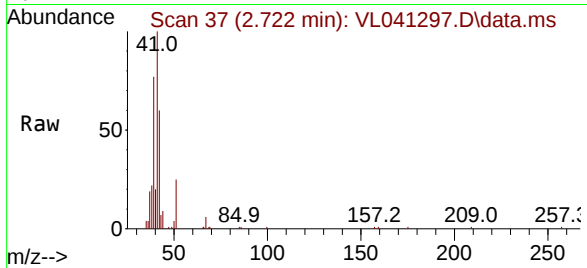




#9
 Propene
 Concen: 0.531 ppbv
 RT: 2.722 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

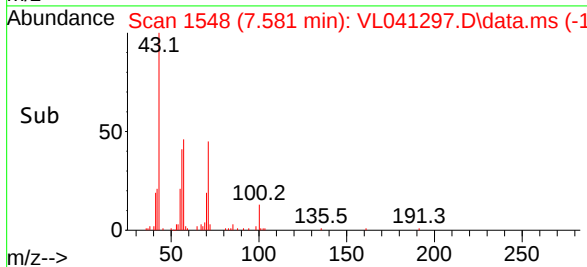
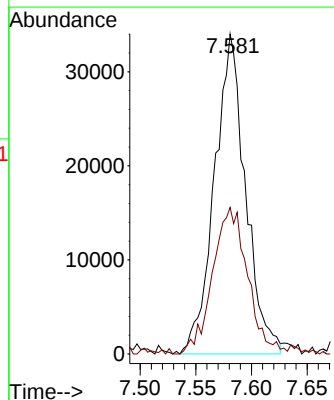
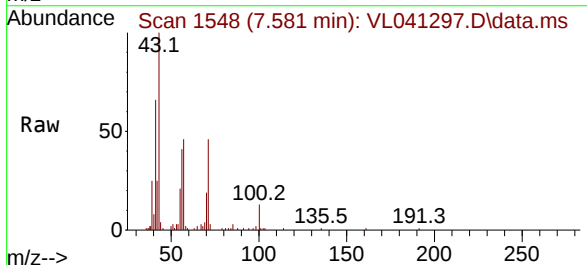
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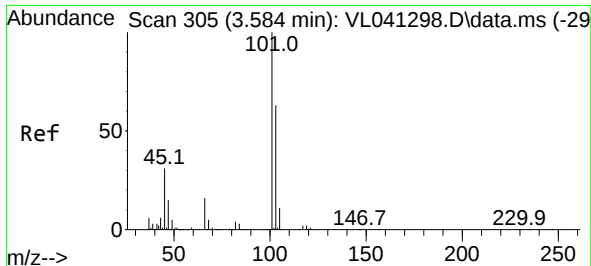
Tgt Ion: 41 Resp: 29823
 Ion Ratio Lower Upper
 41 100
 42 71.0 55.2 82.8



#10
 Heptane
 Concen: 0.496 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.000 min
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 Acq: 4 Jun 2024 8:32

Tgt Ion: 43 Resp: 66097
 Ion Ratio Lower Upper
 43 100
 57 52.8 39.0 58.4

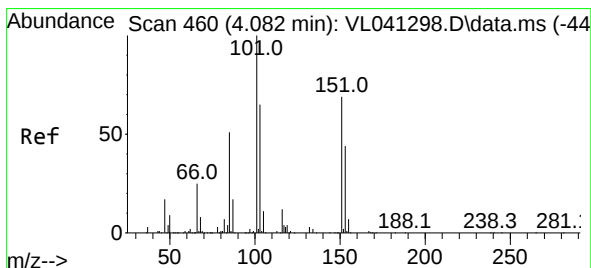
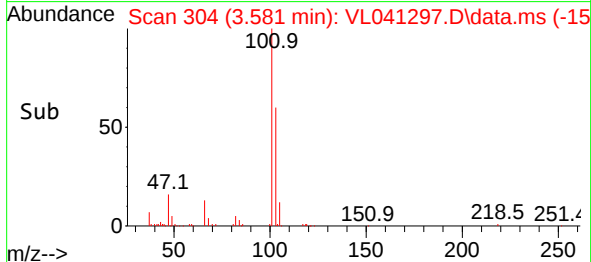
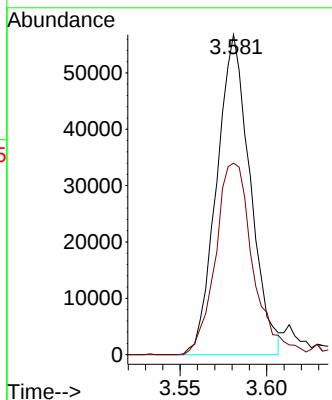
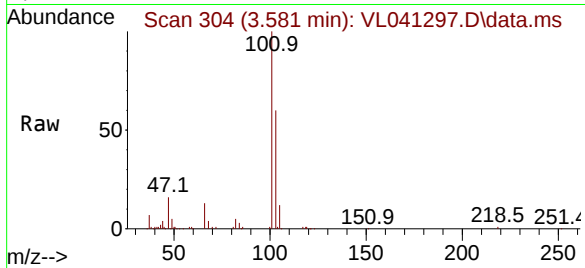




#11
 Trichlorofluoromethane
 Concen: 0.521 ppbv
 RT: 3.581 min Scan# 305
 Delta R.T. -0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

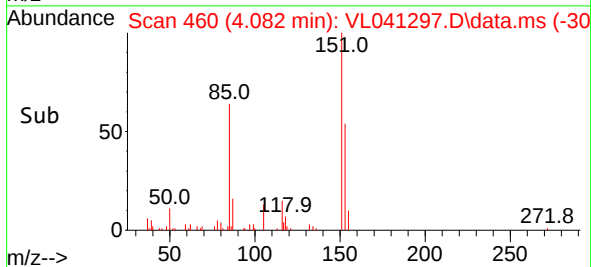
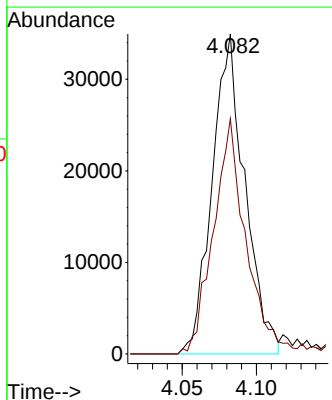
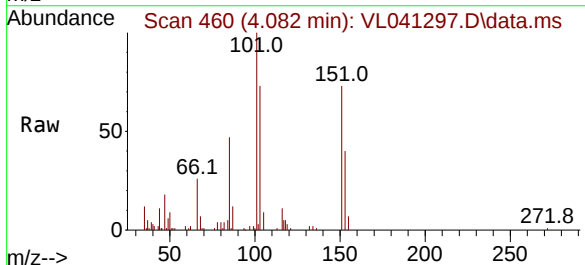
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

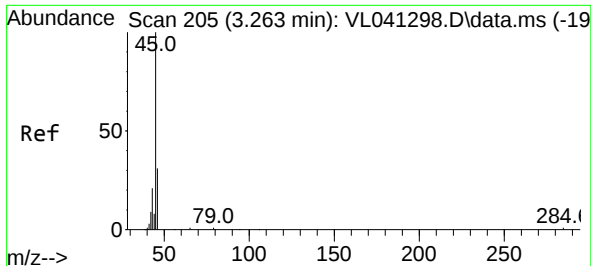
Tgt Ion:101 Resp: 76403
 Ion Ratio Lower Upper
 101 100
 103 59.9 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.519 ppbv
 RT: 4.082 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion:101 Resp: 53708
 Ion Ratio Lower Upper
 101 100
 151 74.7 54.8 82.2

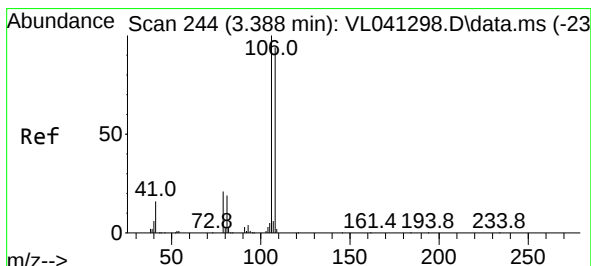
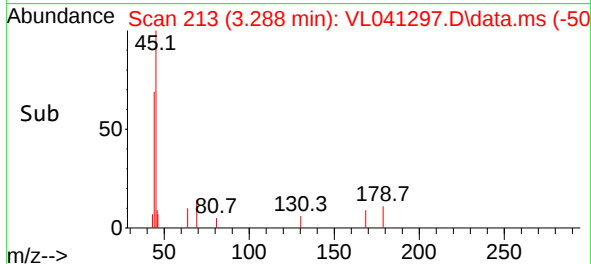
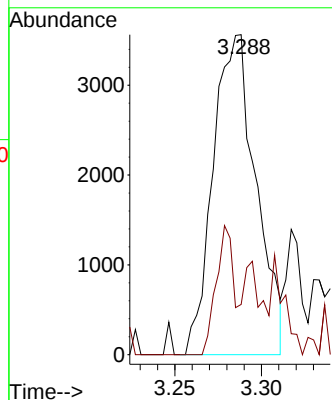
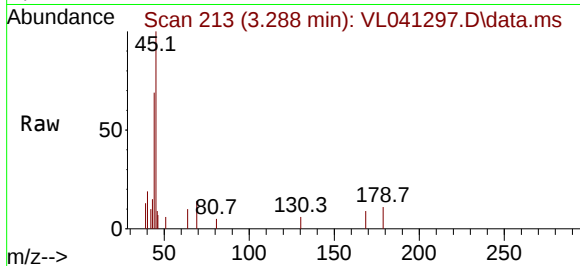




#13
Ethanol
Concen: 0.421 ppbv
RT: 3.288 min Scan# 213
Delta R.T. 0.026 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

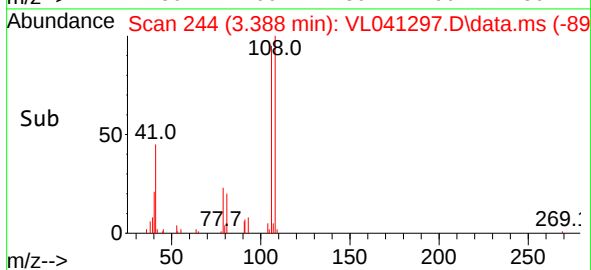
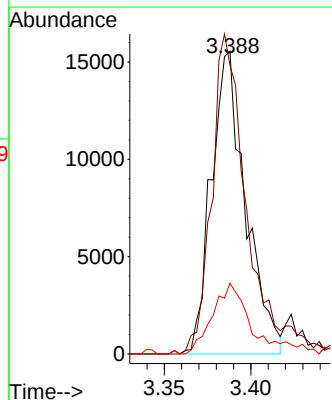
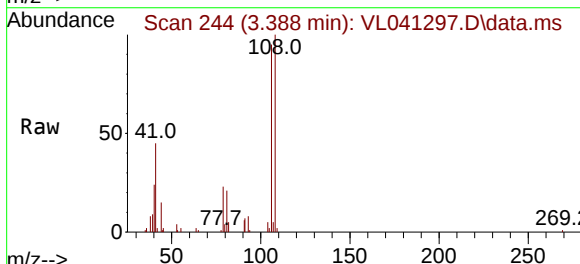
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

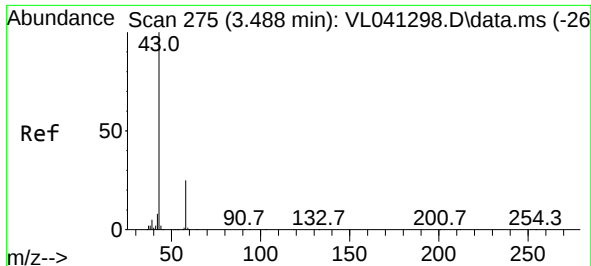
Tgt Ion: 45 Resp: 6148
Ion Ratio Lower Upper
45 100
46 41.2 14.2 56.6



#14
Bromoethene
Concen: 0.512 ppbv
RT: 3.388 min Scan# 244
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 108 Resp: 21435
Ion Ratio Lower Upper
108 100
106 111.7 85.4 128.0
79 28.3 17.8 26.8#

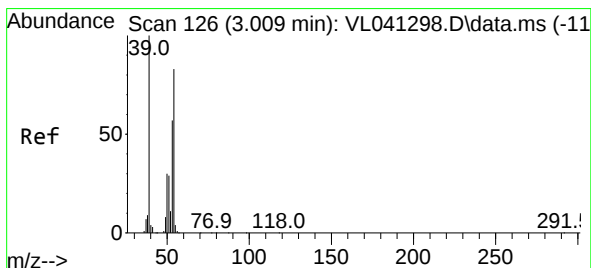
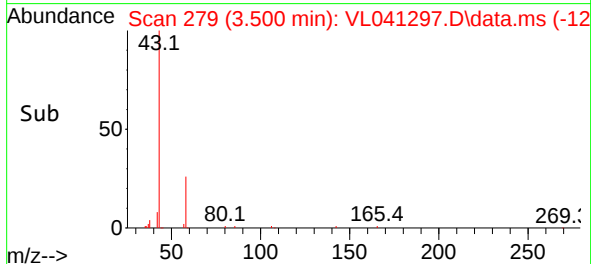
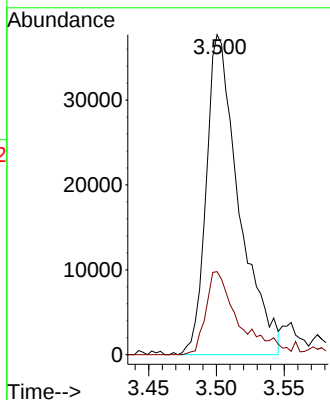
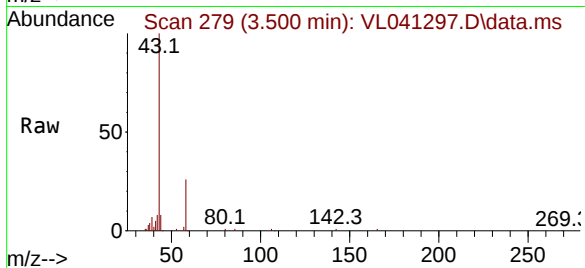




#15
Acetone
Concen: 0.555 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

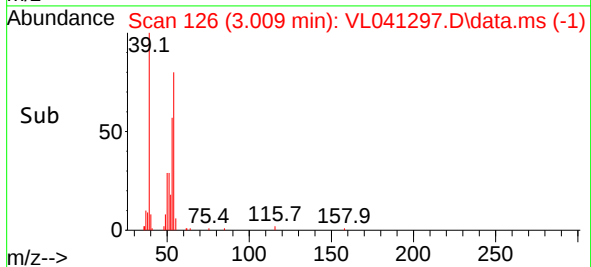
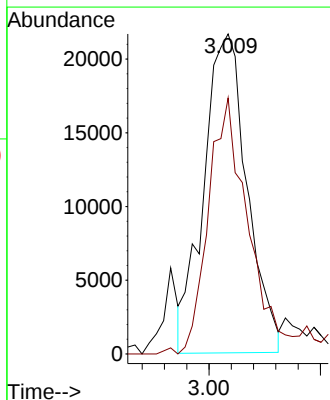
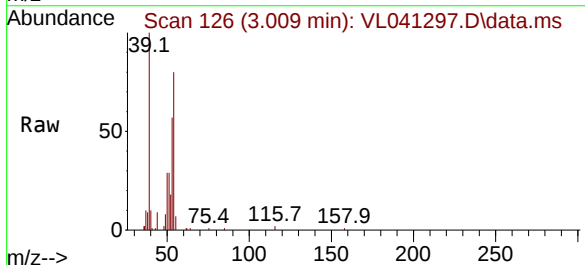
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

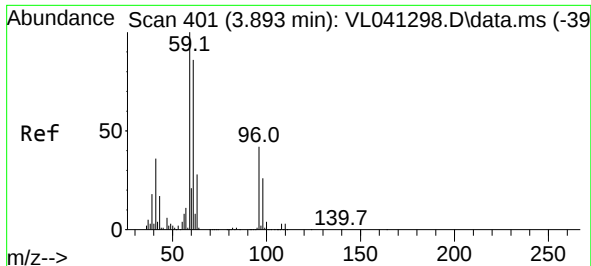
Tgt Ion: 43 Resp: 63263
Ion Ratio Lower Upper
43 100
58 26.7 20.6 31.0



#16
1,3-Butadiene
Concen: 0.511 ppbv
RT: 3.009 min Scan# 126
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 39 Resp: 29275
Ion Ratio Lower Upper
39 100
54 80.3 60.5 90.7





#17

tert-Butyl alcohol

Concen: 0.467 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.019 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_1

ClientSampleId :

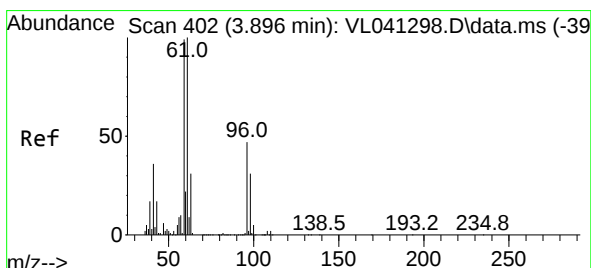
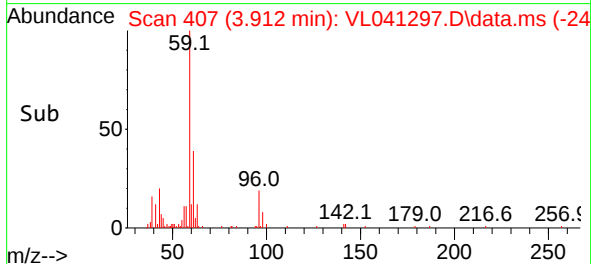
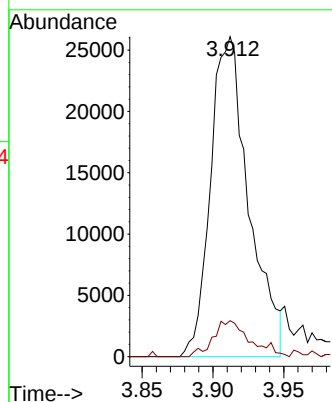
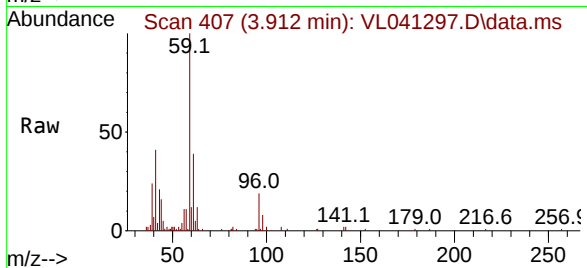
VSTDIC0.5

Tgt Ion: 59 Resp: 48970

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 0.501 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

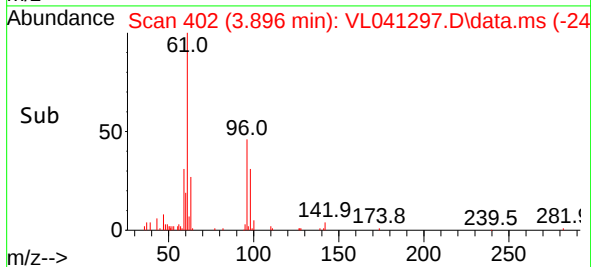
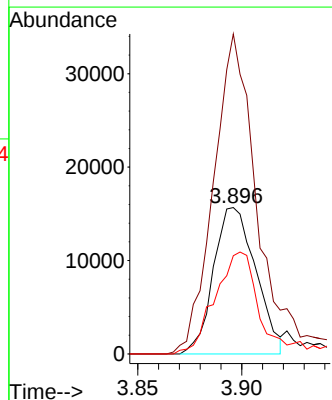
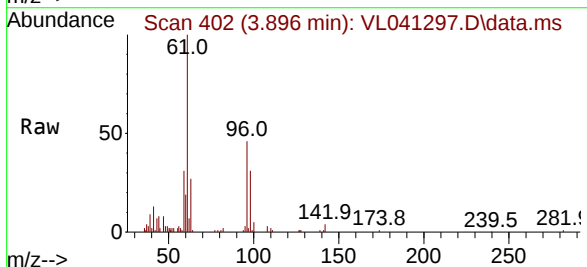
Tgt Ion: 96 Resp: 22123

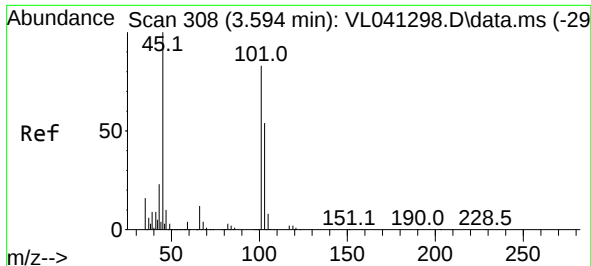
Ion Ratio Lower Upper

96 100

61 212.7 171.8 257.8

98 64.5 53.1 79.7

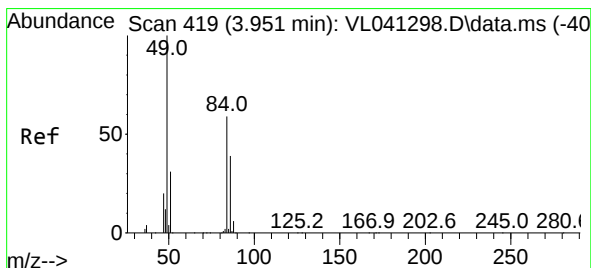
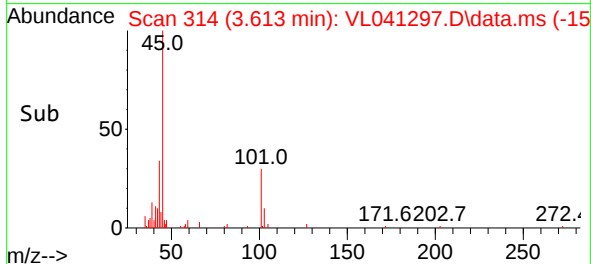
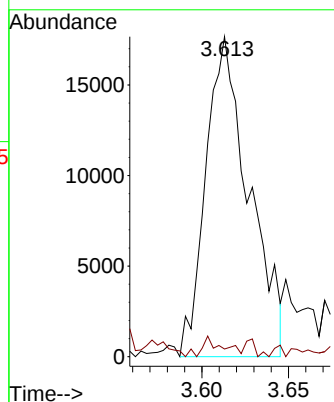
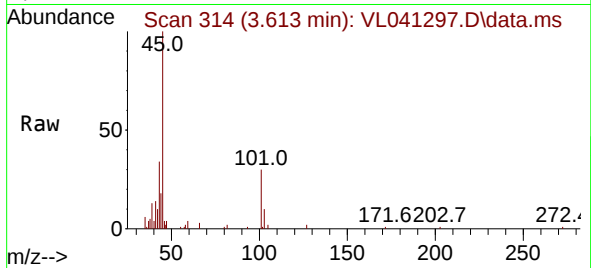




#19
Isopropyl Alcohol
Concen: 0.428 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.019 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

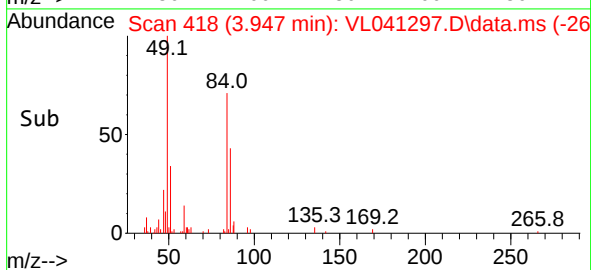
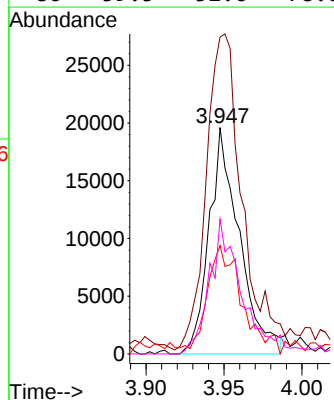
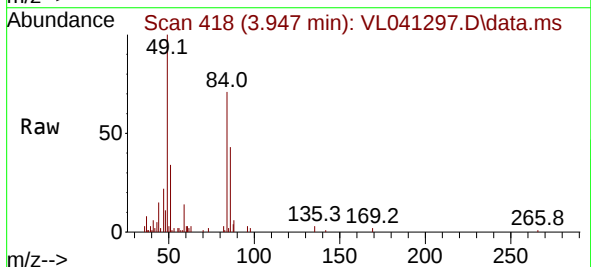
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

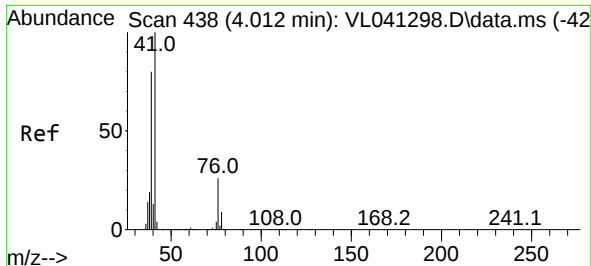
Tgt Ion: 45 Resp: 30655
Ion Ratio Lower Upper
45 100
58 6.8 1.4 2.2#



#20
Methylene Chloride
Concen: 0.640 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 84 Resp: 26515
Ion Ratio Lower Upper
84 100
49 134.0 136.2 204.2#
51 47.9 41.9 62.9
86 59.5 52.6 78.8





#21

Allyl Chloride

Concen: 0.521 ppbv

RT: 4.012 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

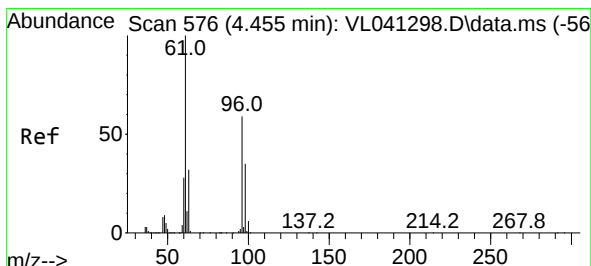
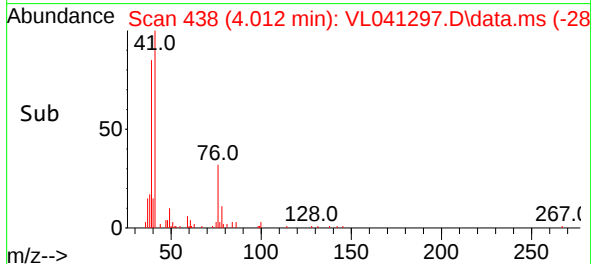
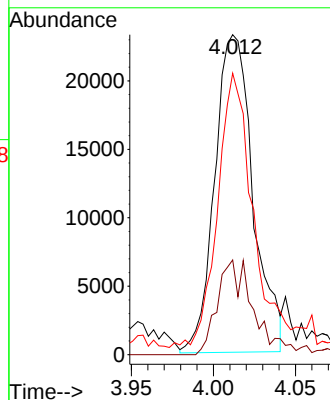
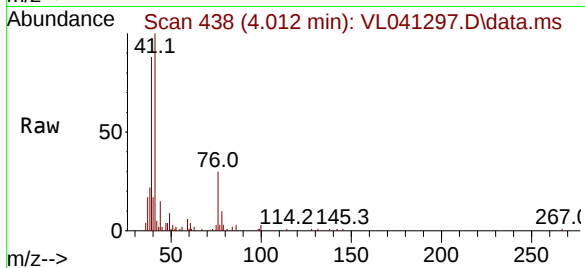
Tgt Ion: 41 Resp: 37623

Ion Ratio Lower Upper

41 100

76 28.4 22.3 33.5

39 90.6 66.3 99.5



#22

trans-1,2-Dichloroethene

Concen: 0.447 ppbv

RT: 4.459 min Scan# 577

Delta R.T. 0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

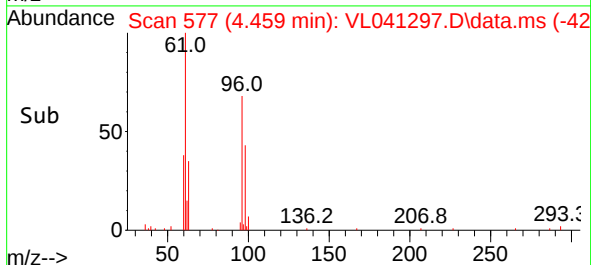
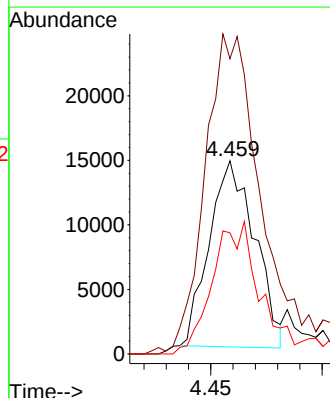
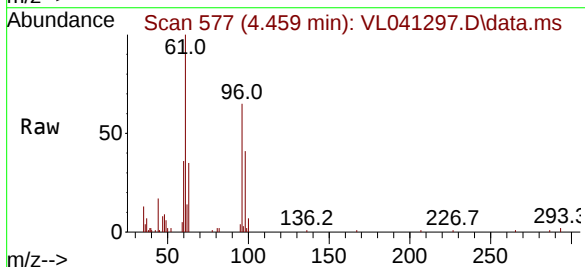
Tgt Ion: 96 Resp: 20562

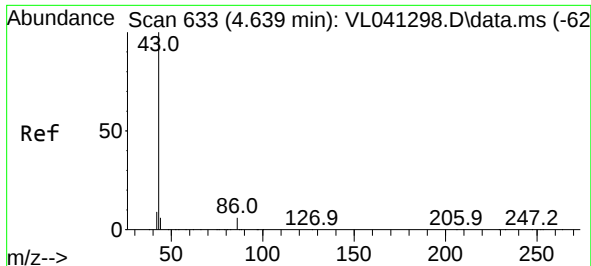
Ion Ratio Lower Upper

96 100

61 145.4 135.5 203.3

98 62.0 47.6 71.4

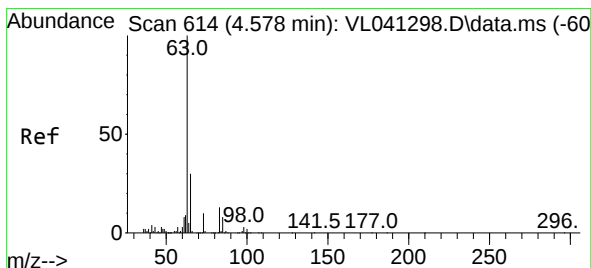
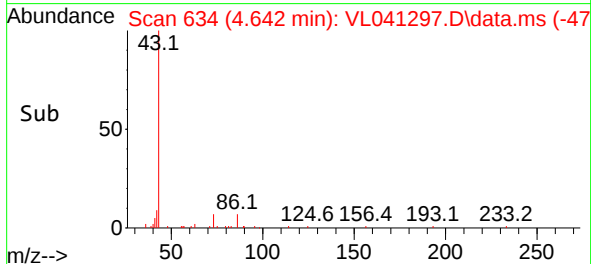
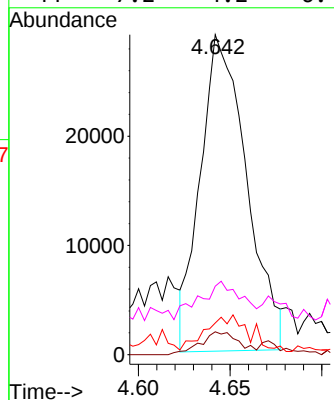
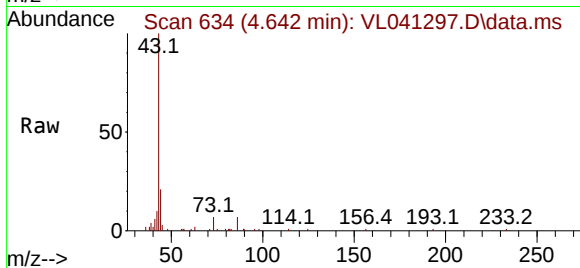




#23
 Vinyl Acetate
 Concen: 0.436 ppbv
 RT: 4.642 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

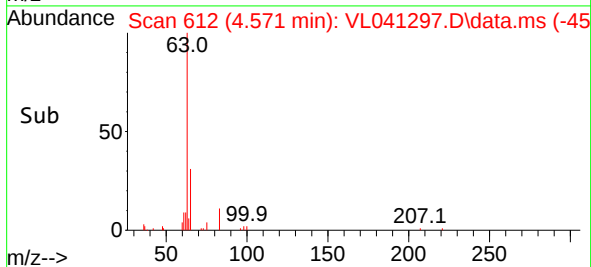
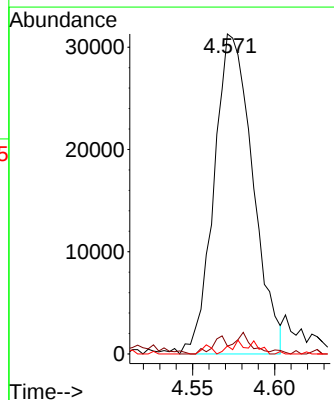
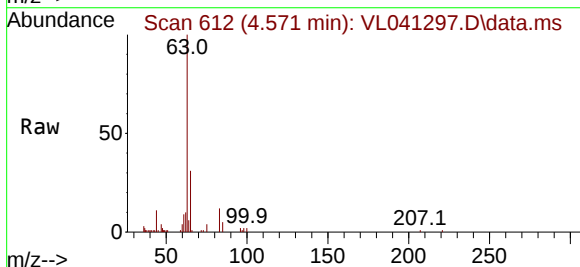
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

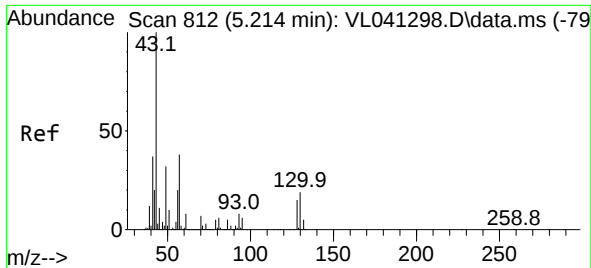
Tgt Ion:	43	Resp:	50798
Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.7	7.1#
42	9.9	8.0	12.0
44	7.2	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.500 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. -0.006 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion:	63	Resp:	51238
Ion	Ratio	Lower	Upper
63	100		
98	1.5	1.9	5.7#
100	2.5	1.1	3.5

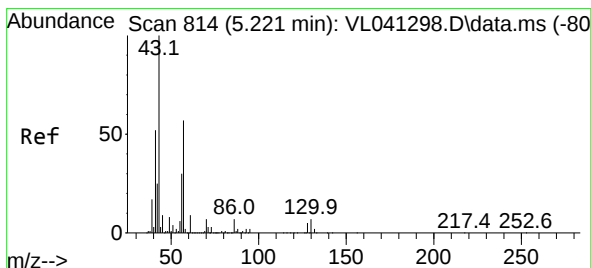
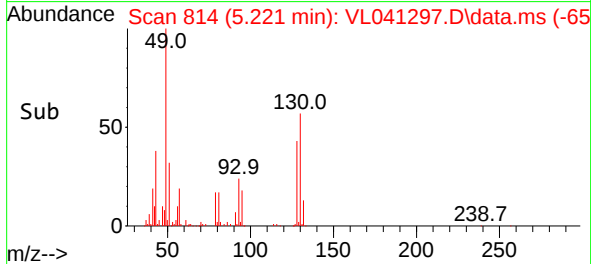
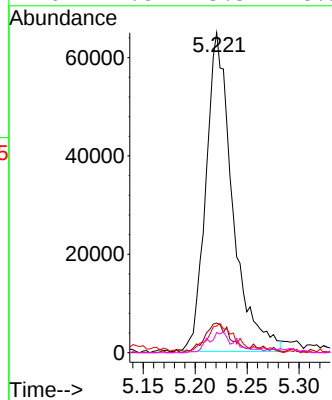
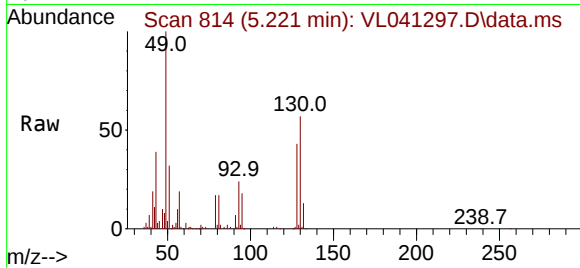




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 5.221 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

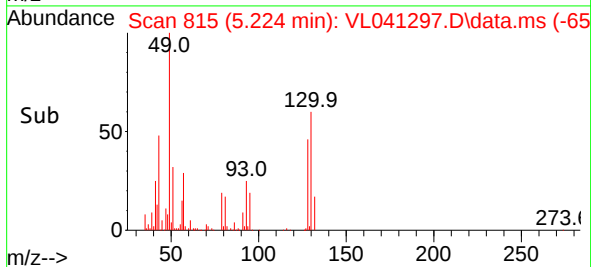
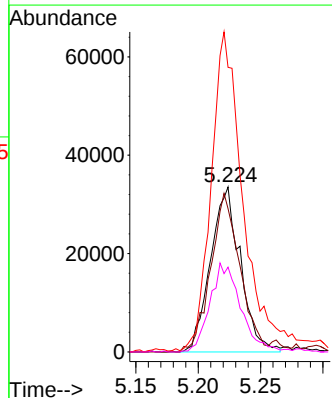
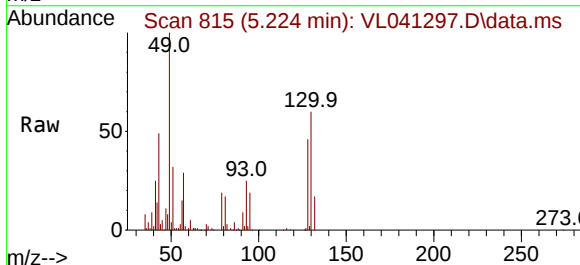
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

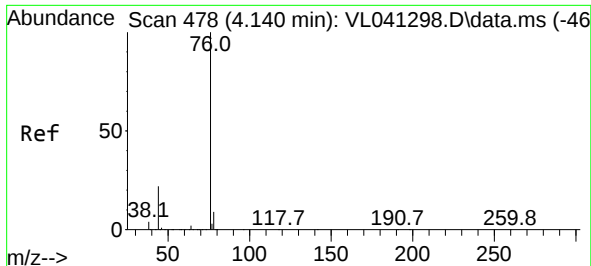
Tgt Ion: 43 Resp: 115181
Ion Ratio Lower Upper
43 100
45 11.6 8.1 12.1
61 10.9 7.4 11.0
70 7.8 5.5 8.3



#26
Hexane
Concen: 0.553 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 57 Resp: 56085
Ion Ratio Lower Upper
57 100
41 100.2 77.1 115.7
43 210.9 186.1 279.1
56 56.3 42.9 64.3

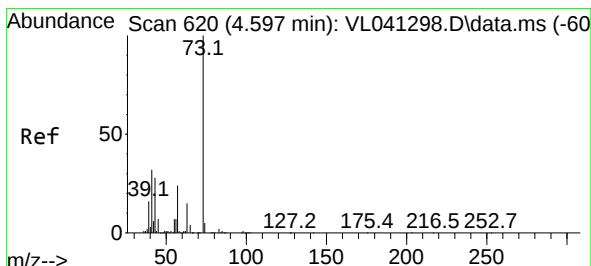
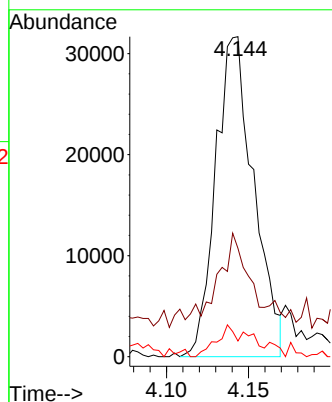
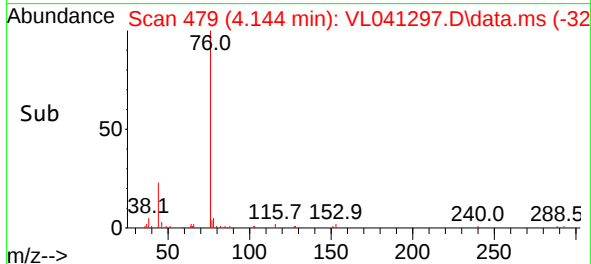
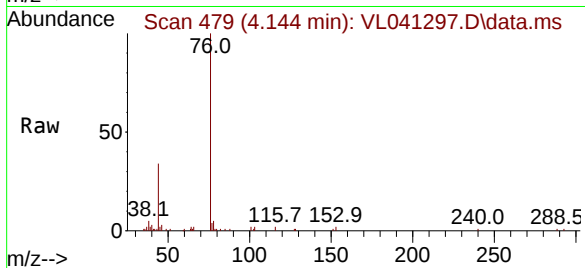




#27
Carbon Disulfide
Concen: 0.455 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

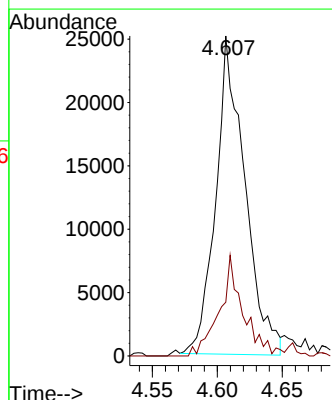
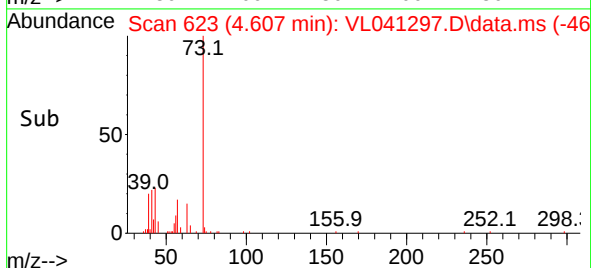
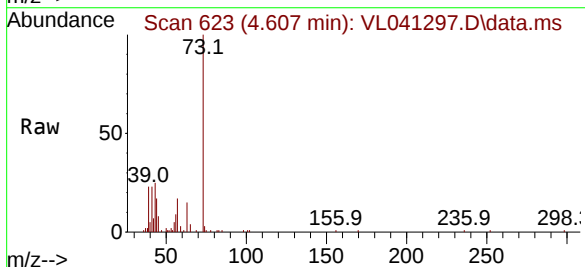
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

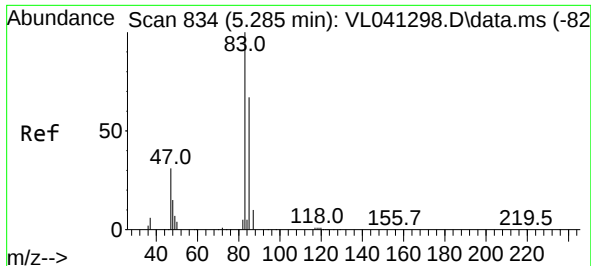
Tgt Ion: 76 Resp: 51097
Ion Ratio Lower Upper
76 100
44 31.1 17.7 26.5#
78 10.7 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 0.520 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.010 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 73 Resp: 39056
Ion Ratio Lower Upper
73 100
57 27.5 19.2 28.8





#29

Chloroform

Concen: 0.526 ppbv

RT: 5.282 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

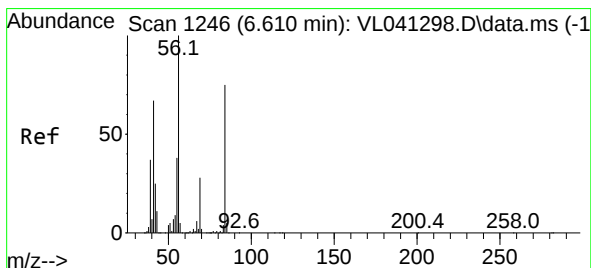
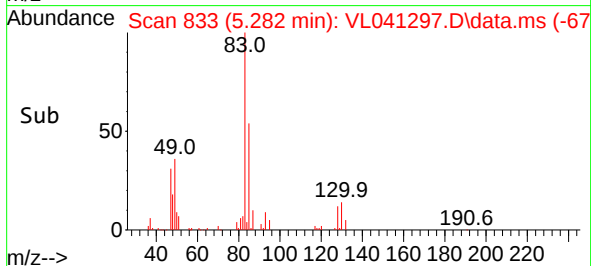
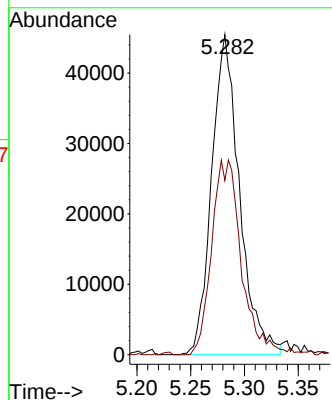
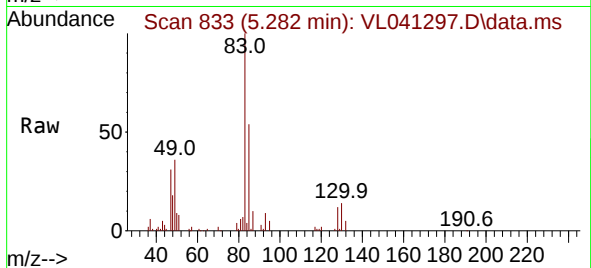
VSTDICC0.5

Tgt Ion: 83 Resp: 81773

Ion Ratio Lower Upper

83 100

85 54.4 53.3 79.9



#30

Cyclohexane

Concen: 0.484 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. -0.006 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

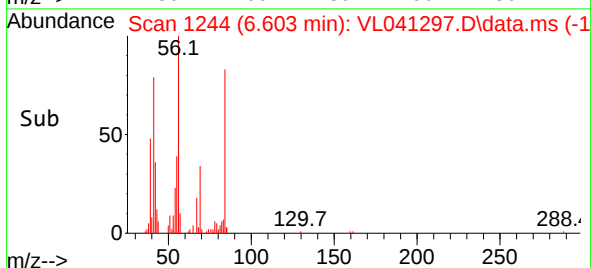
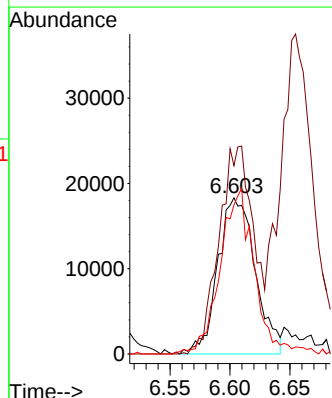
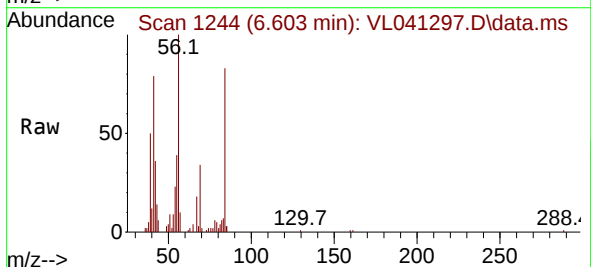
Tgt Ion: 84 Resp: 39743

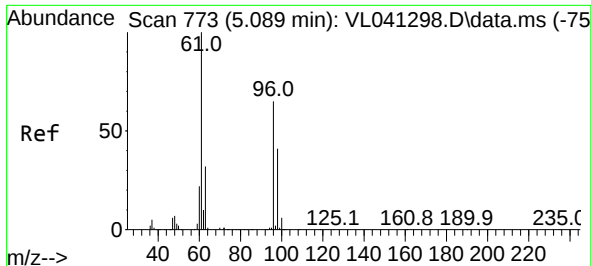
Ion Ratio Lower Upper

84 100

56 119.3 114.9 172.3

41 98.0 74.4 111.6

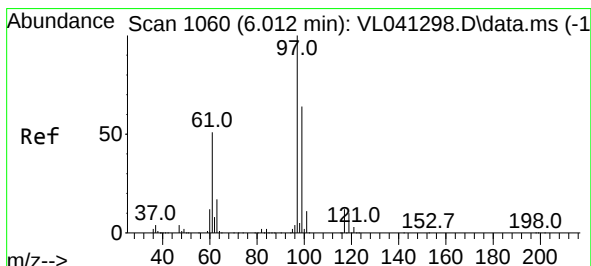
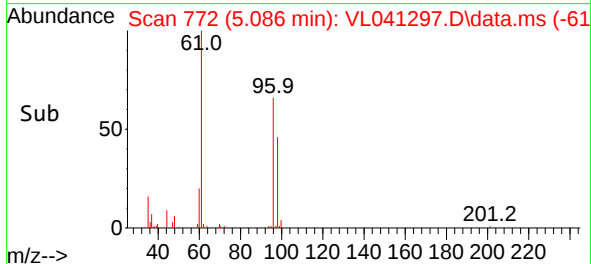
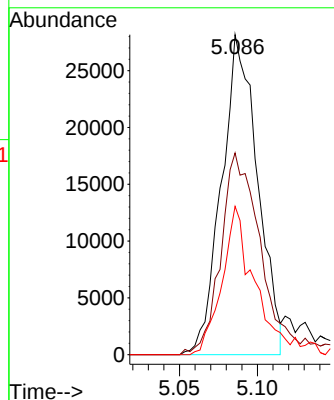
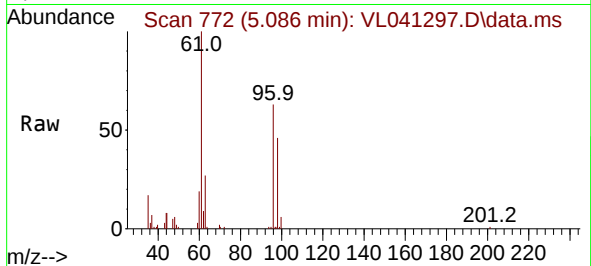




#31
 cis-1,2-Dichloroethene
 Concen: 0.473 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

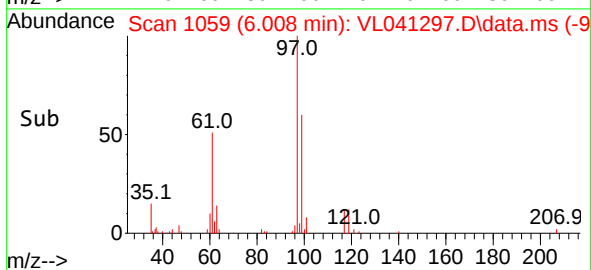
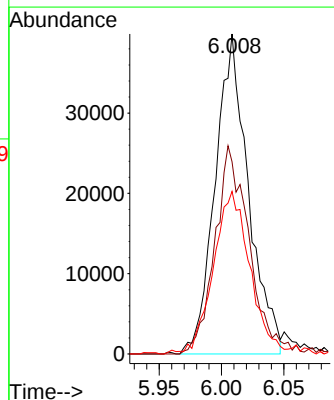
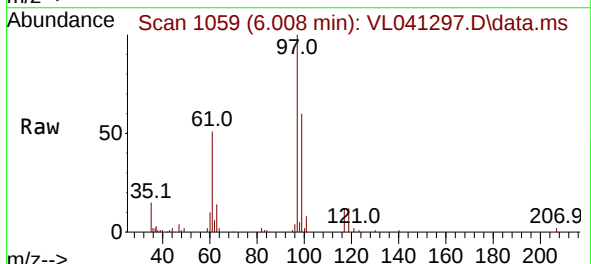
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

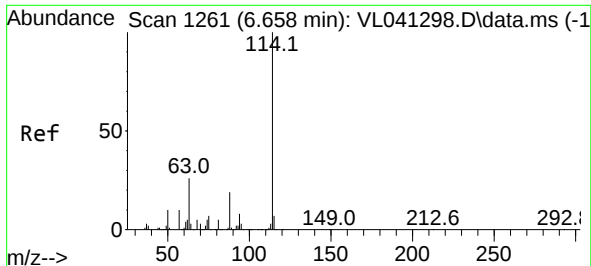
Tgt Ion: 61 Resp: 45334
 Ion Ratio Lower Upper
 61 100
 96 63.1 52.1 78.1
 98 46.4 33.1 49.7



#32
 1,1,1-Trichloroethane
 Concen: 0.501 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. -0.003 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion: 97 Resp: 73811
 Ion Ratio Lower Upper
 97 100
 99 68.2 51.9 77.9
 61 57.2 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

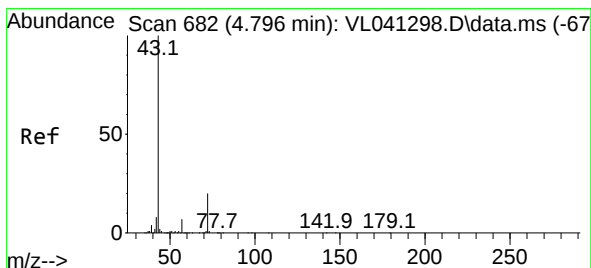
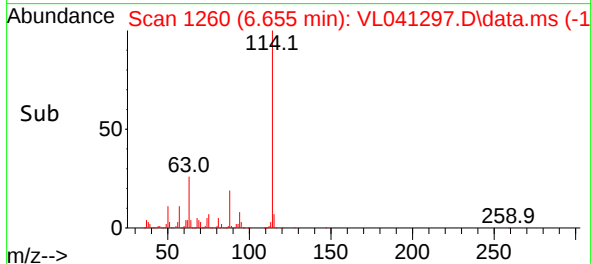
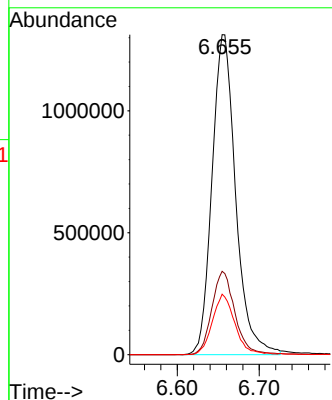
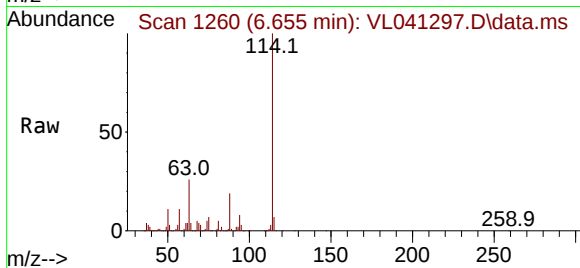
Tgt Ion:114 Resp: 2632945

Ion Ratio Lower Upper

114 100

63 25.7 20.6 30.8

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 0.240 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.013 min

Lab File: VL041297.D

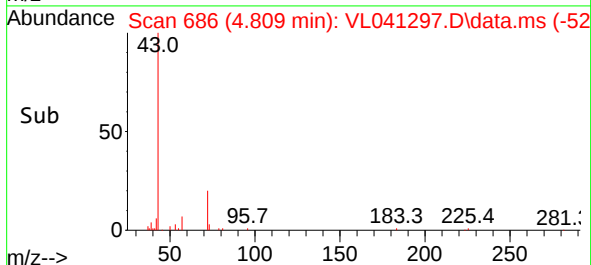
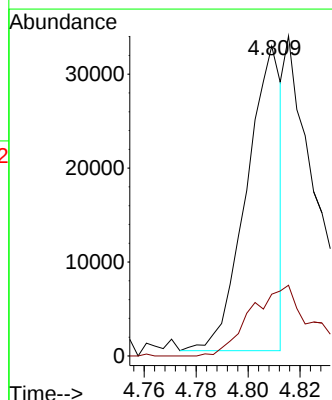
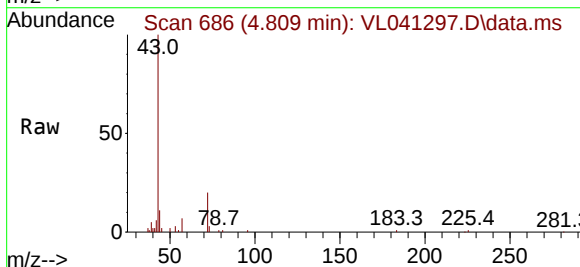
Acq: 4 Jun 2024 8:32

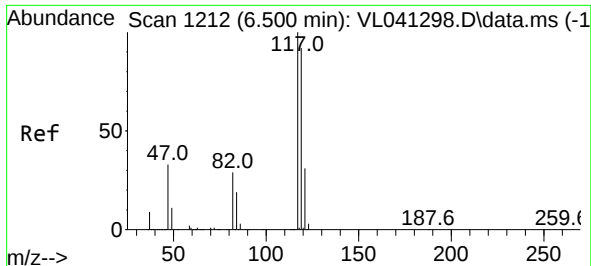
Tgt Ion: 43 Resp: 30253

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#

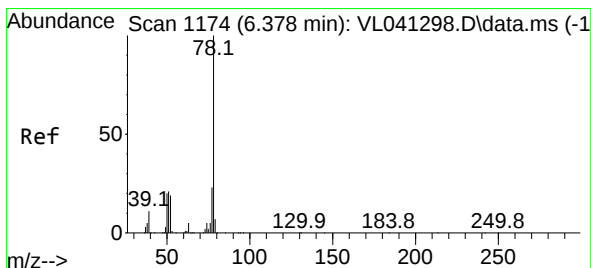
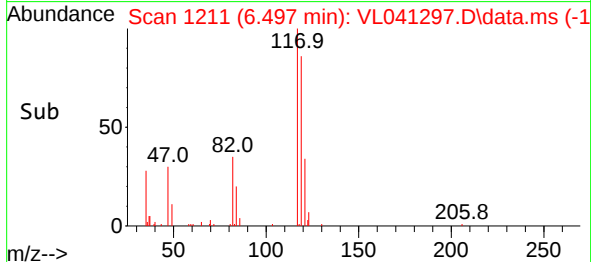
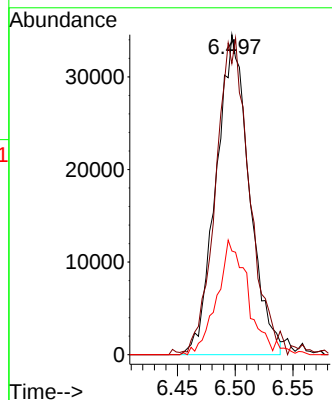
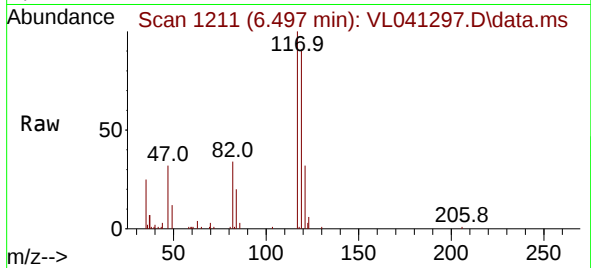




#35
Carbon Tetrachloride
Concen: 0.462 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

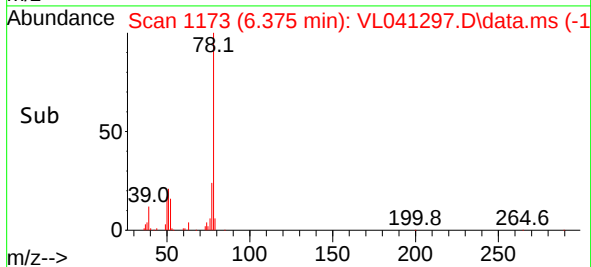
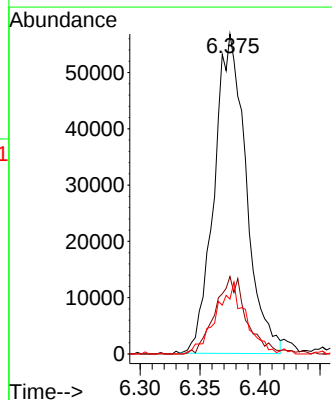
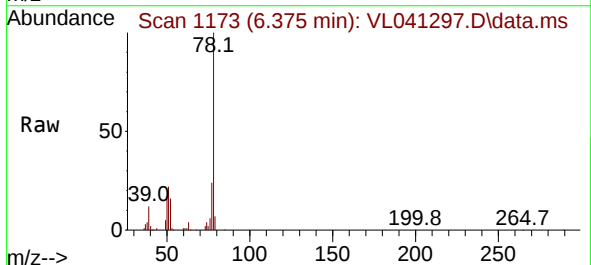
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

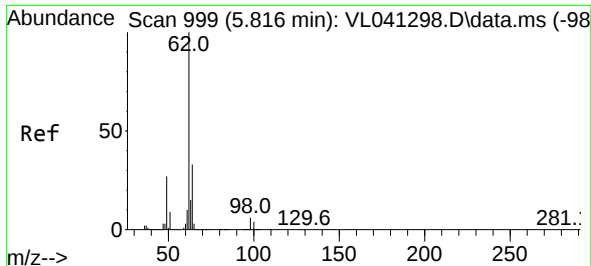
Tgt Ion:117 Resp: 69134
Ion Ratio Lower Upper
117 100
119 90.3 74.0 111.0
121 32.4 24.8 37.2



#36
Benzene
Concen: 0.513 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 78 Resp: 104663
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
50 17.2 16.0 24.0

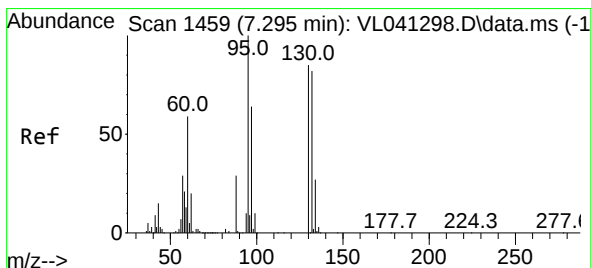
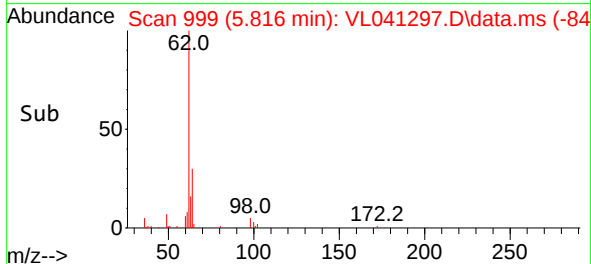
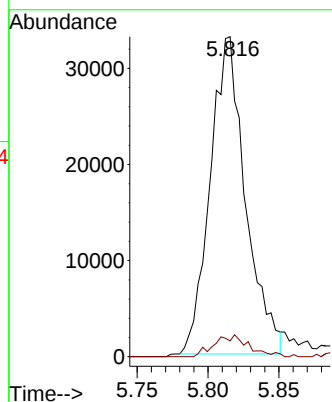
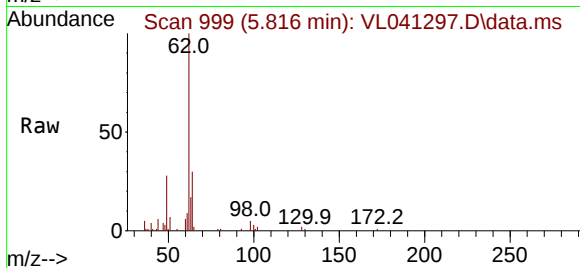




#37
1,2-Dichloroethane
Concen: 0.481 ppbv
RT: 5.816 min Scan# 999
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

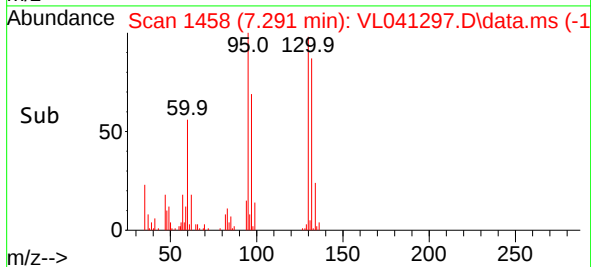
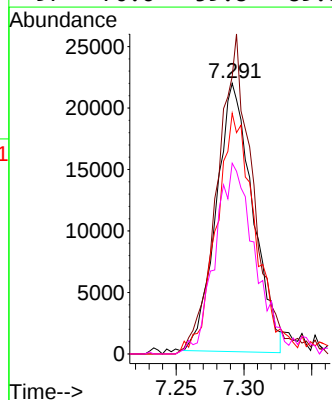
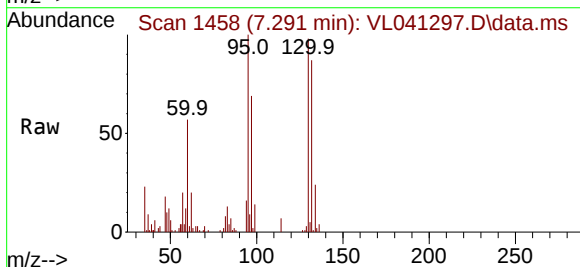
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

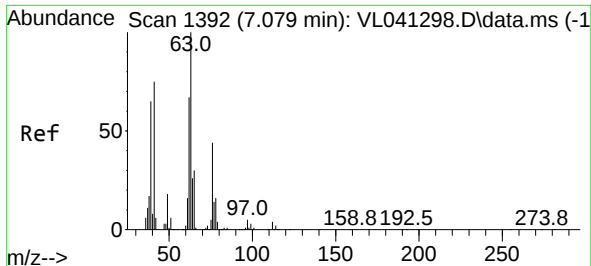
Tgt Ion: 62 Resp: 57260
Ion Ratio Lower Upper
62 100
98 6.8 4.8 7.2



#38
Trichloroethene
Concen: 0.494 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 130 Resp: 40821
Ion Ratio Lower Upper
130 100
95 102.7 94.0 141.0
132 89.2 76.7 115.1
97 70.6 59.8 89.8





#39

1,2-Dichloropropane

Concen: 0.344 ppbv

RT: 7.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

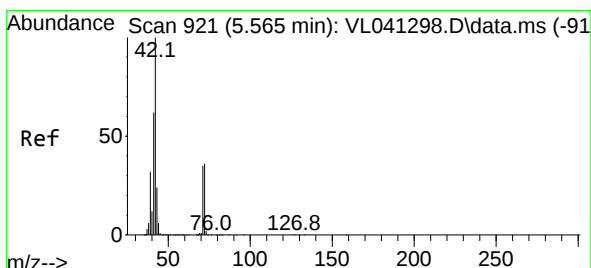
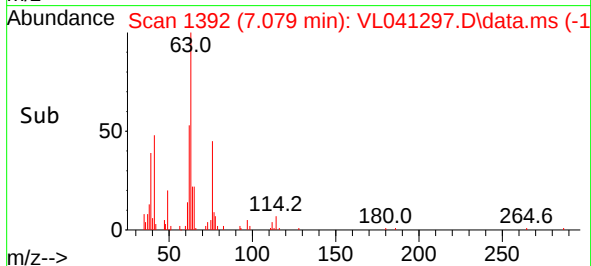
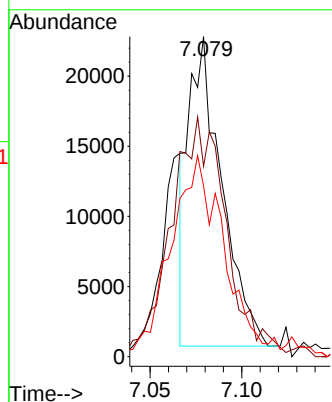
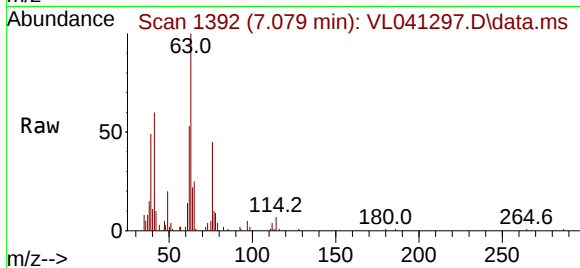
Tgt Ion: 63 Resp: 27959

Ion Ratio Lower Upper

63 100

41 58.6 59.9 89.9#

62 52.9 53.8 80.6#



#41

Tetrahydrofuran

Concen: 0.452 ppbv

RT: 5.590 min Scan# 929

Delta R.T. 0.026 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

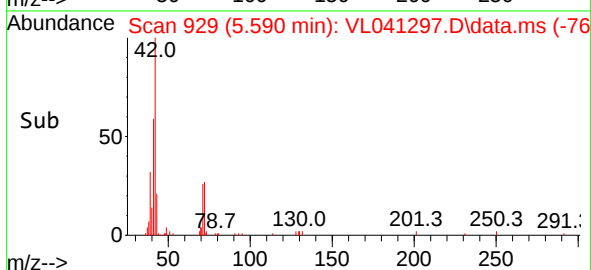
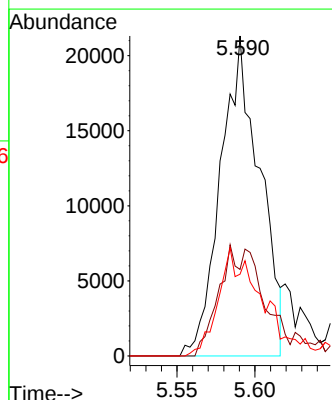
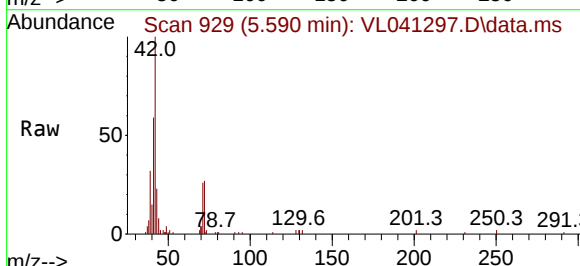
Tgt Ion: 42 Resp: 37105

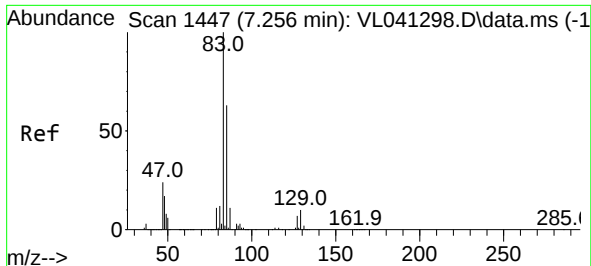
Ion Ratio Lower Upper

42 100

72 44.8 30.2 45.4

71 41.4 30.3 45.5

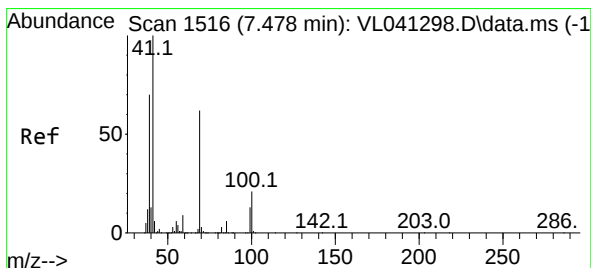
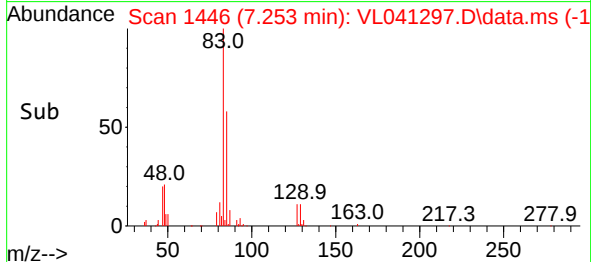
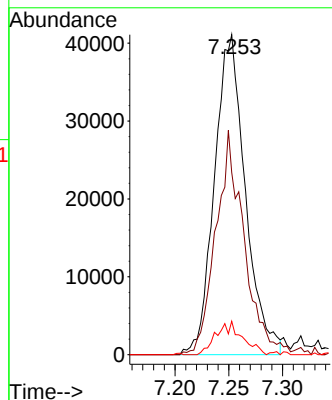
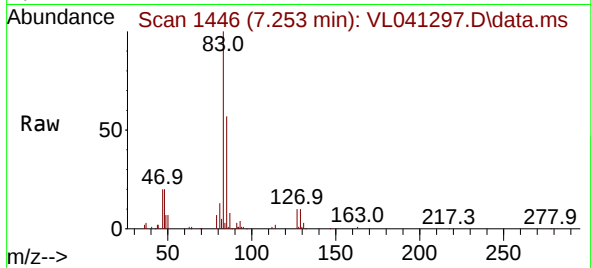




#42
Bromodichloromethane
Concen: 0.480 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

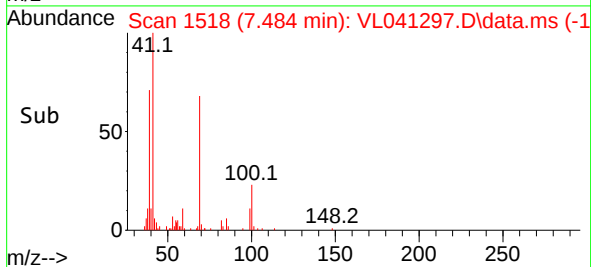
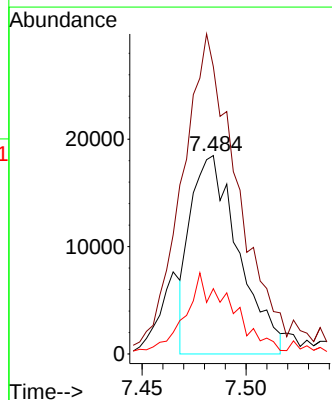
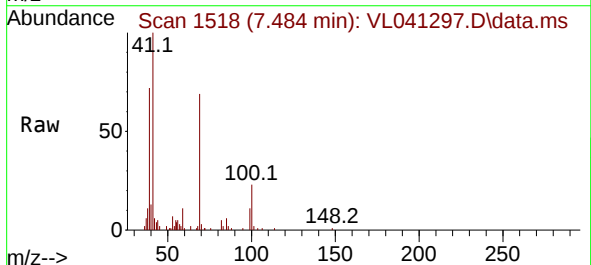
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

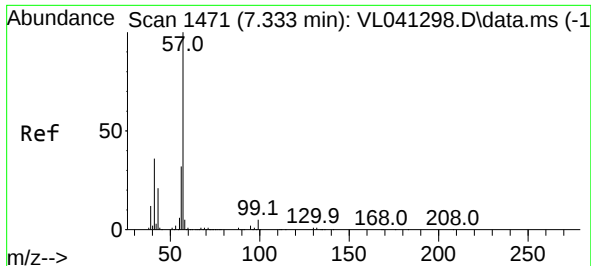
Tgt Ion: 83 Resp: 82044
Ion Ratio Lower Upper
83 100
85 56.9 50.6 75.8
127 10.0 5.6 8.4#



#43
Methyl Methacrylate
Concen: 0.381 ppbv
RT: 7.484 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 69 Resp: 29593
Ion Ratio Lower Upper
69 100
41 201.3 125.8 188.6#
100 43.7 27.0 40.6#





#44

2,2,4-Trimethylpentane

Concen: 0.502 ppbv

RT: 7.330 min Scan# 1471

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

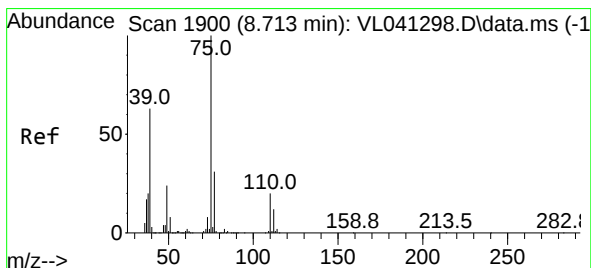
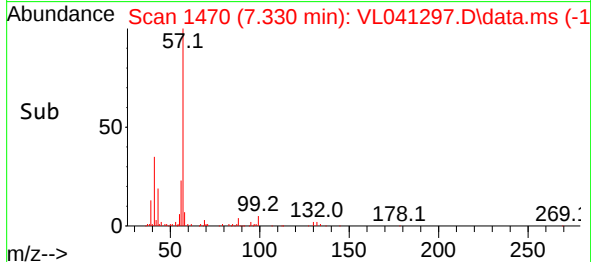
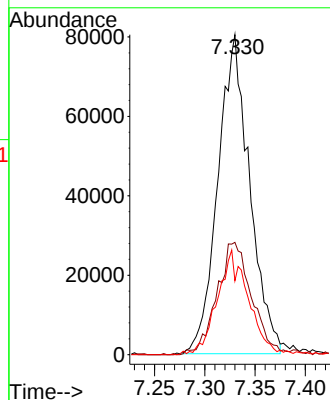
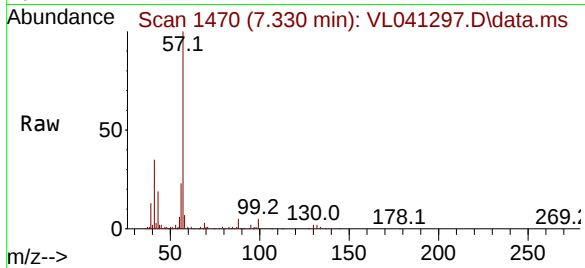
Tgt Ion: 57 Resp: 176144

Ion Ratio Lower Upper

57 100

41 39.0 29.4 44.2

56 32.5 25.0 37.4



#45

t-1,3-Dichloropropene

Concen: 0.114 ppbv

RT: 8.709 min Scan# 1899

Delta R.T. -0.003 min

Lab File: VL041297.D

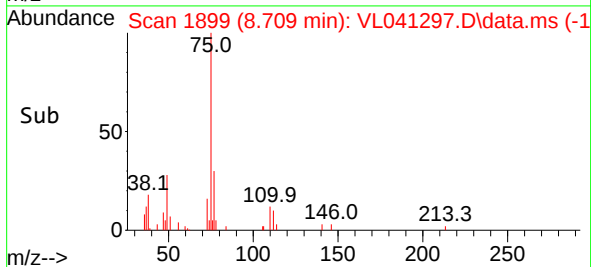
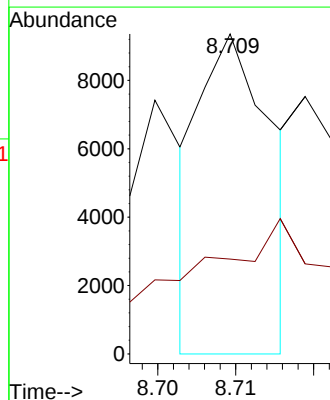
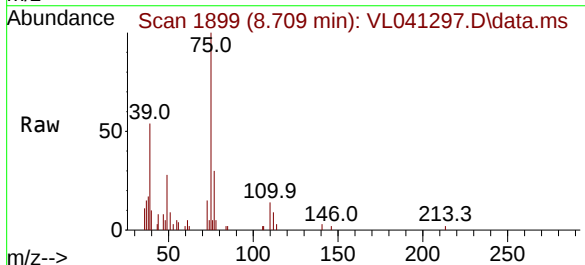
Acq: 4 Jun 2024 8:32

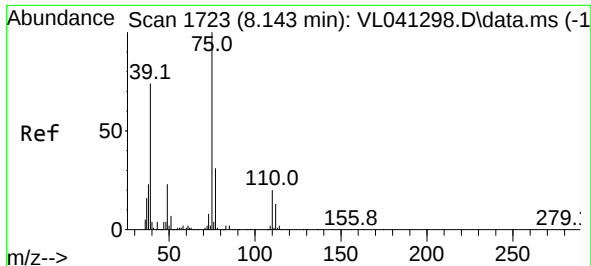
Tgt Ion: 75 Resp: 5979

Ion Ratio Lower Upper

75 100

77 29.6 24.7 37.1

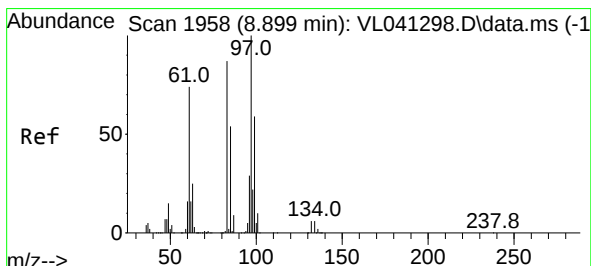
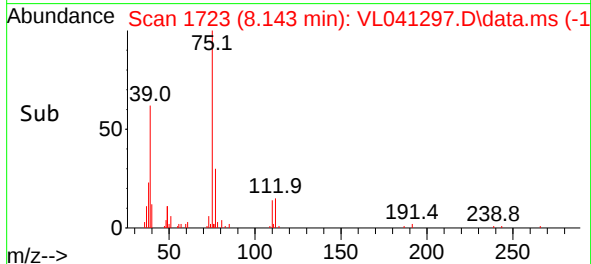
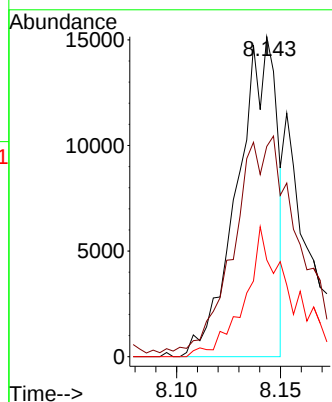
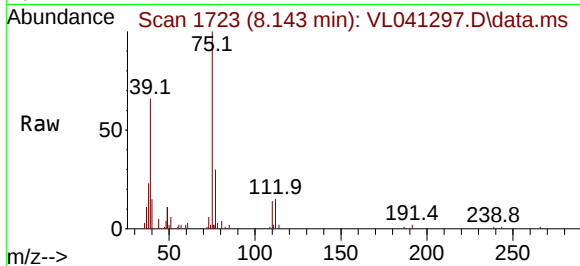




#46
 cis-1,3-Dichloropropene
 Concen: 0.299 ppbv
 RT: 8.143 min Scan# 1723
 Delta R.T. -0.000 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

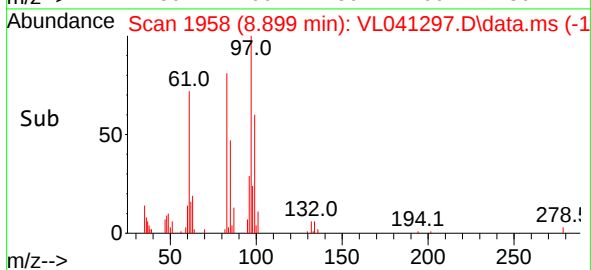
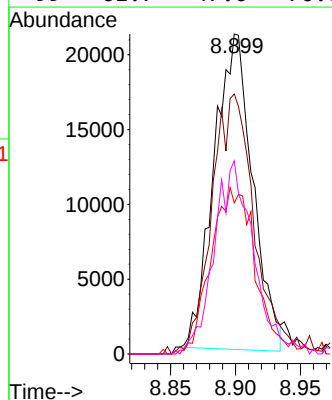
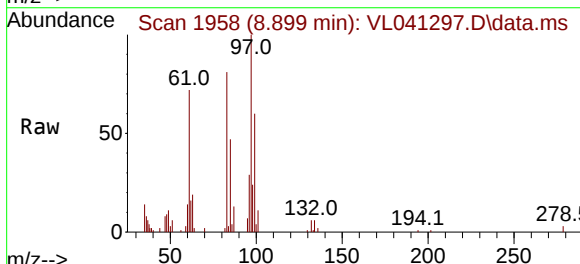
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

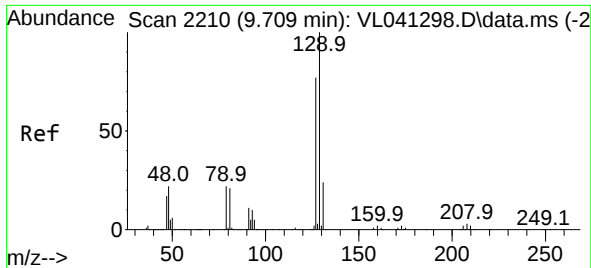
Tgt Ion: 75 Resp: 20162
 Ion Ratio Lower Upper
 75 100
 39 62.7 59.2 88.8
 77 30.3 25.0 37.6



#47
 1,1,2-Trichloroethane
 Concen: 0.515 ppbv
 RT: 8.899 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VL041297.D
 Acq: 4 Jun 2024 8:32

Tgt Ion: 97 Resp: 43776
 Ion Ratio Lower Upper
 97 100
 83 80.7 69.7 104.5
 85 47.0 43.1 64.7
 99 61.7 47.0 70.6

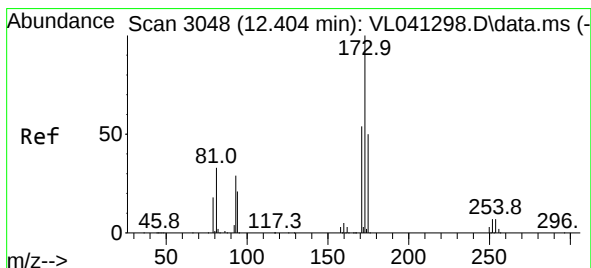
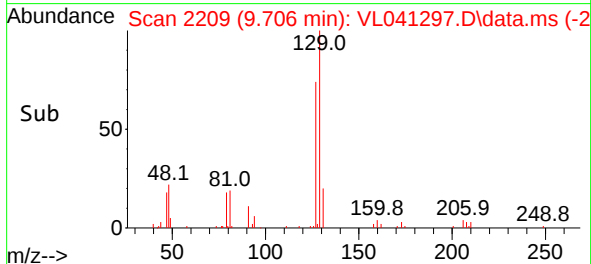
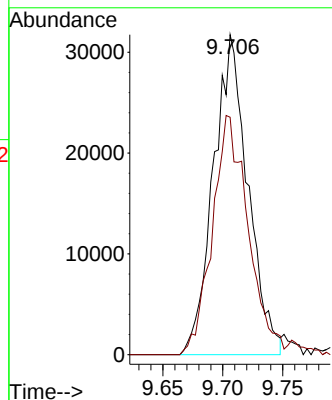
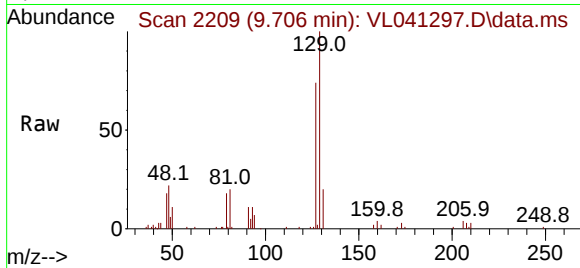




#48
Dibromochloromethane
Concen: 0.454 ppbv
RT: 9.706 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

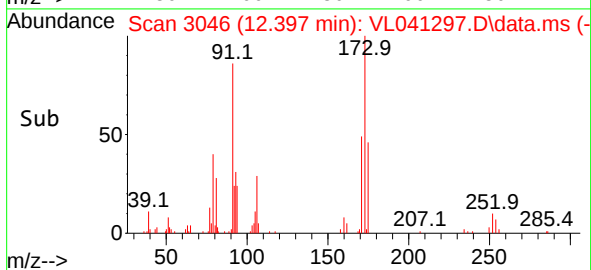
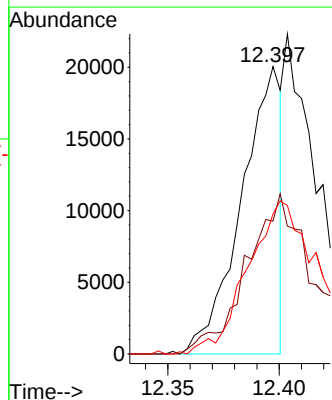
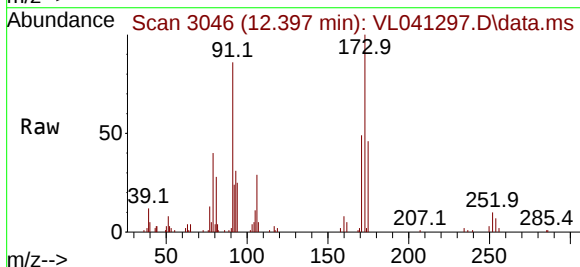
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

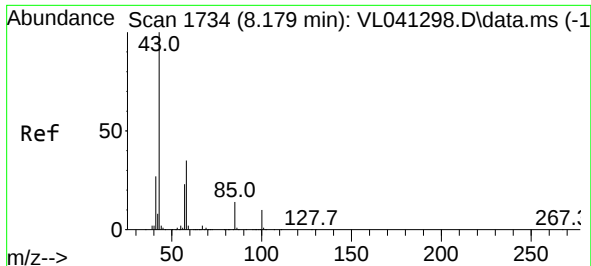
Tgt Ion:129 Resp: 63551
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.5



#49
Bromoform
Concen: 0.221 ppbv
RT: 12.397 min Scan# 3046
Delta R.T. -0.006 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion:173 Resp: 24914
Ion Ratio Lower Upper
173 100
175 0.0 39.9 59.9#
171 0.0 42.6 63.8#





#50

4-Methyl-2-Pentanone

Concen: 0.434 ppbv

RT: 8.198 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

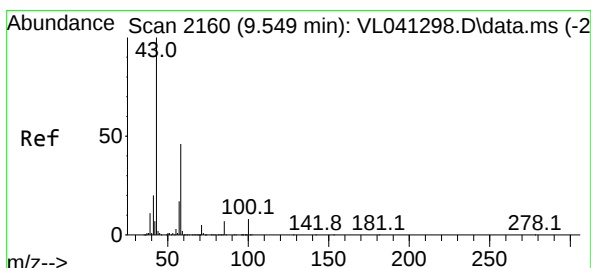
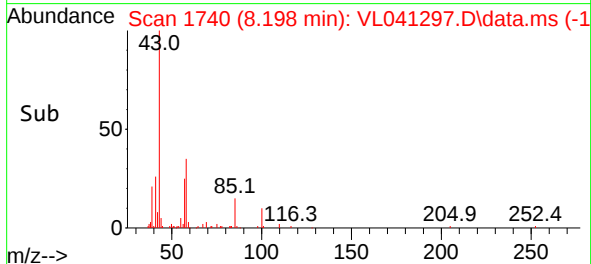
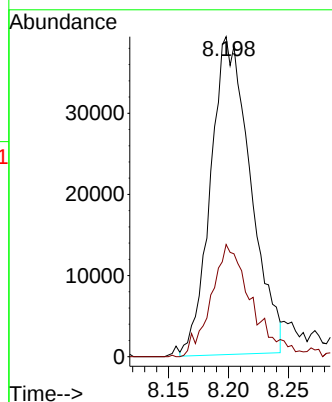
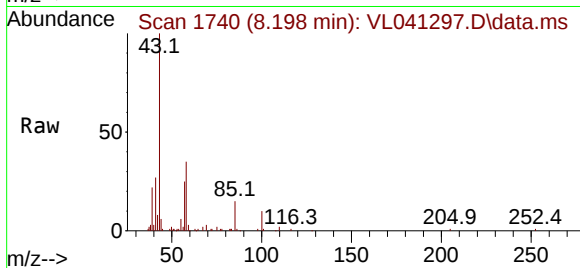
VSTDIC0.5

Tgt Ion: 43 Resp: 90721

Ion Ratio Lower Upper

43 100

58 36.7 27.7 41.5



#51

2-Hexanone

Concen: 0.141 ppbv

RT: 9.565 min Scan# 2165

Delta R.T. 0.016 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

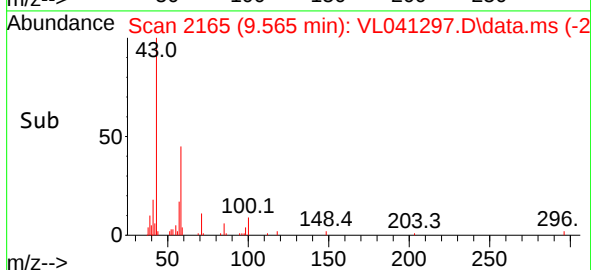
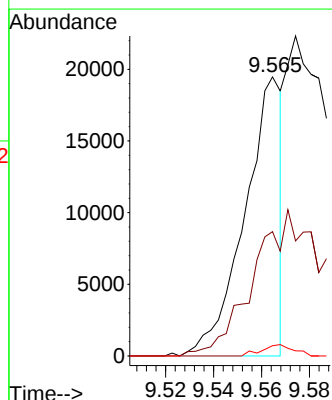
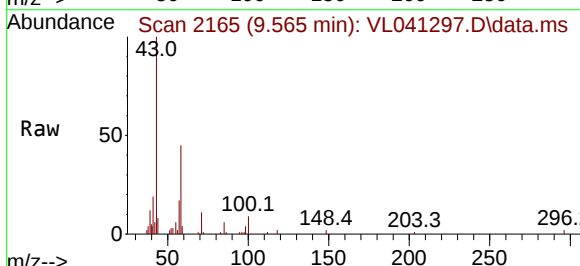
Tgt Ion: 43 Resp: 20904

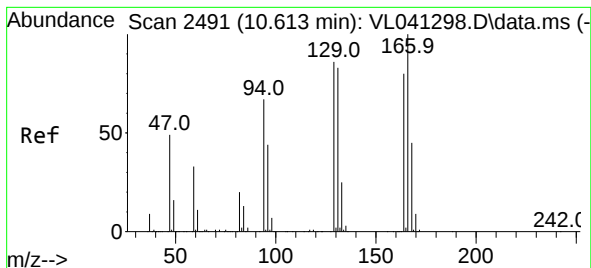
Ion Ratio Lower Upper

43 100

58 0.0 37.4 56.0#

98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.506 ppbv

RT: 10.610 min Scan# 2491

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 37691

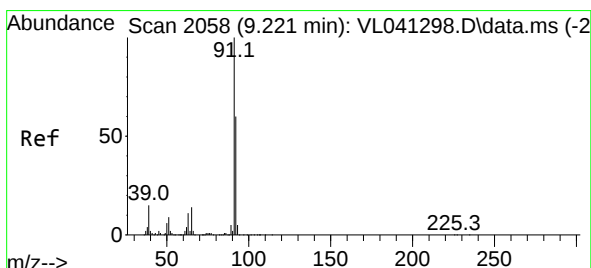
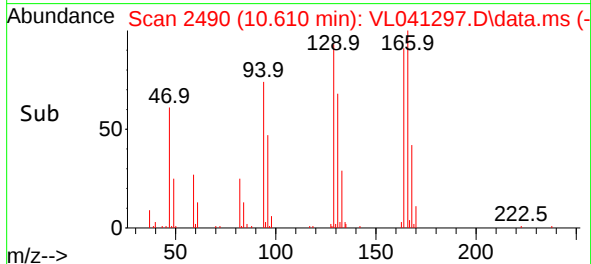
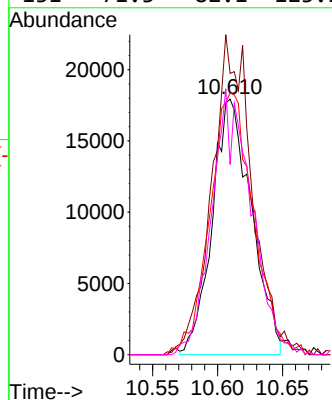
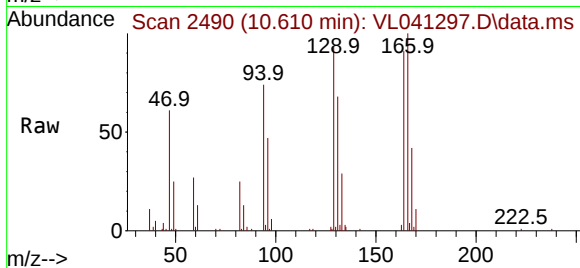
Ion Ratio Lower Upper

164 100

166 107.3 99.4 149.0

129 100.2 85.4 128.2

131 71.3 82.1 123.1#



#53

Toluene

Concen: 0.470 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. -0.003 min

Lab File: VL041297.D

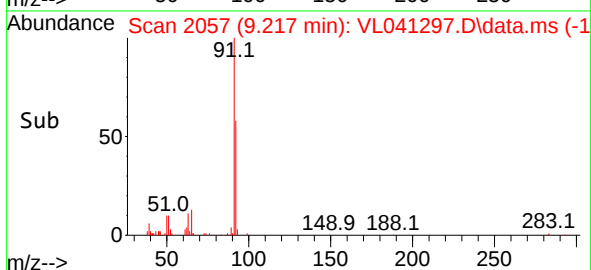
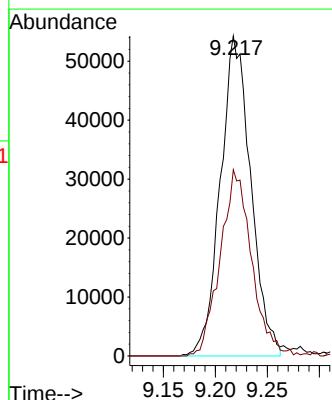
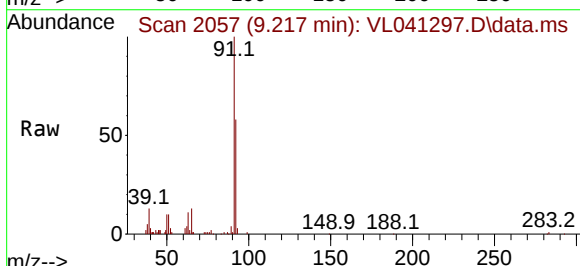
Acq: 4 Jun 2024 8:32

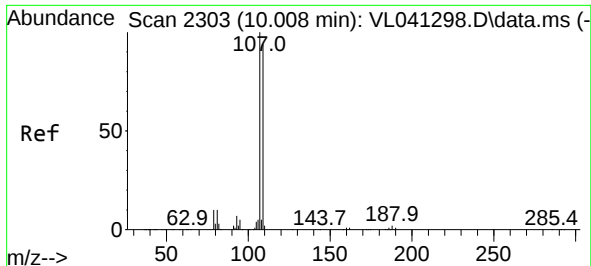
Tgt Ion: 91 Resp: 110439

Ion Ratio Lower Upper

91 100

92 60.1 49.2 73.8

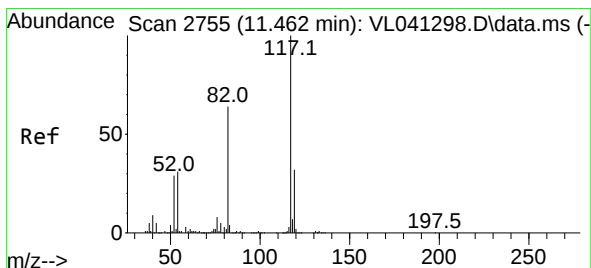
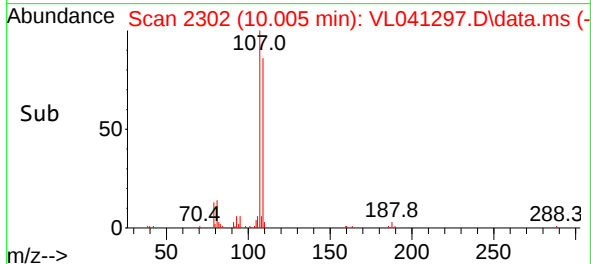
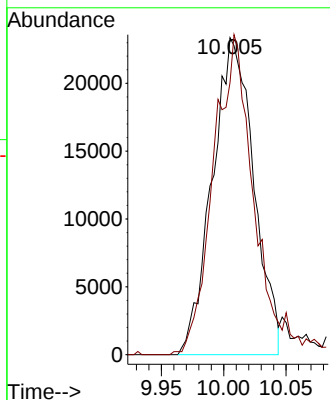
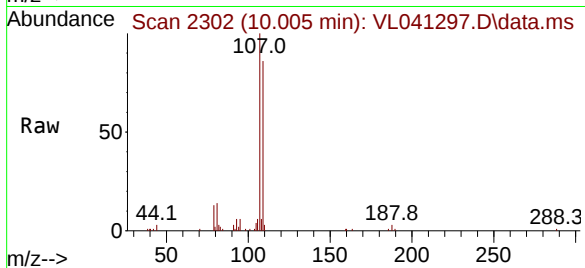




#54
1,2-Dibromoethane
Concen: 0.489 ppbv
RT: 10.005 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

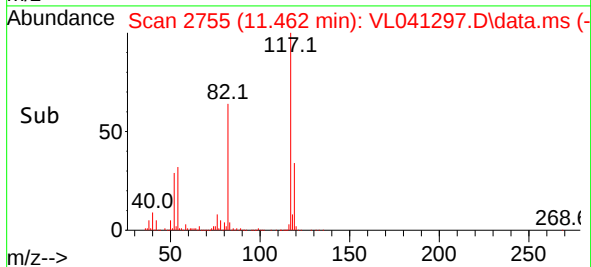
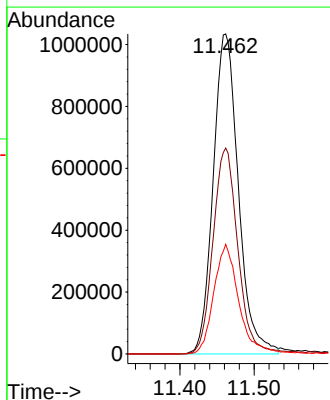
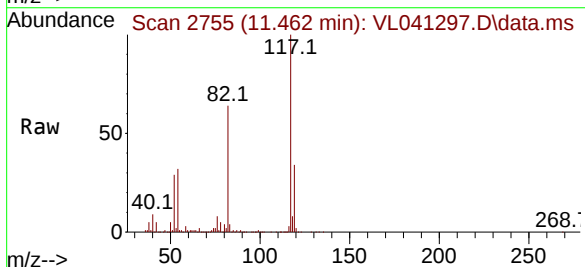
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

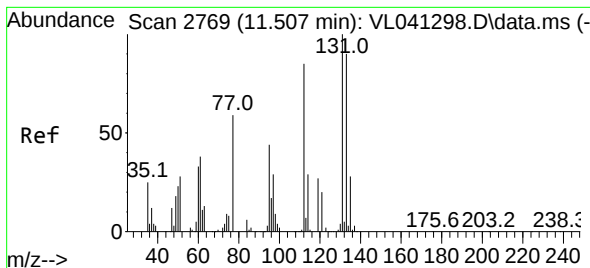
Tgt Ion:107 Resp: 54105
Ion Ratio Lower Upper
107 100
109 84.9 75.0 112.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion:117 Resp: 2441570
Ion Ratio Lower Upper
117 100
82 64.5 52.3 78.5
119 34.4 26.2 39.2

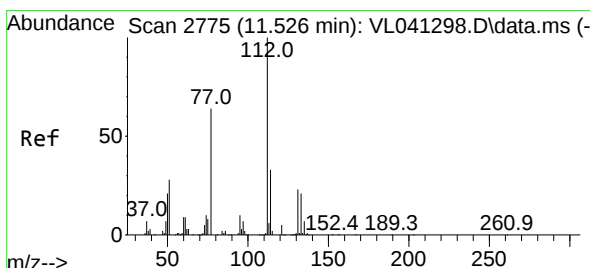
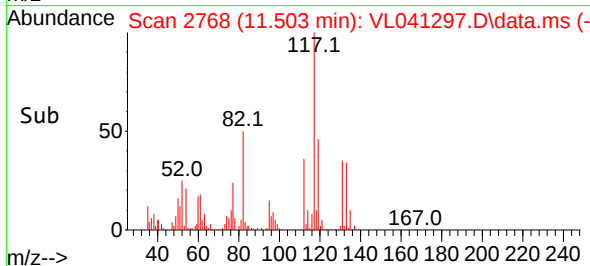
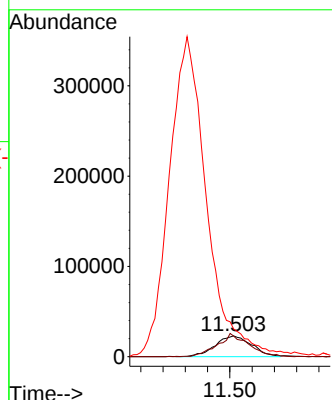
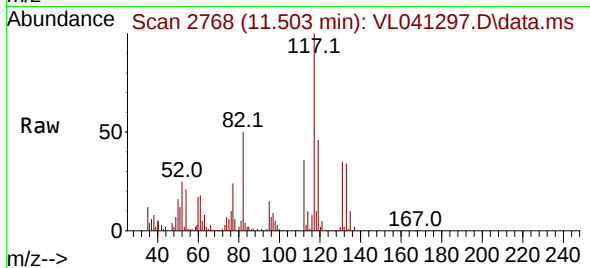




#56
1,1,1,2-Tetrachloroethane
Concen: 0.506 ppbv
RT: 11.503 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

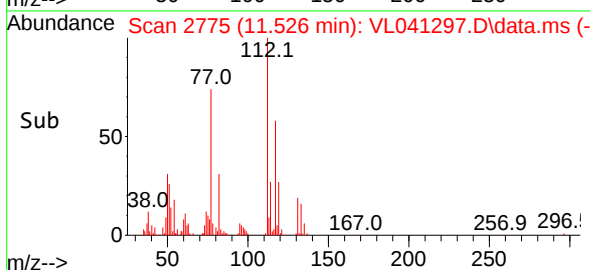
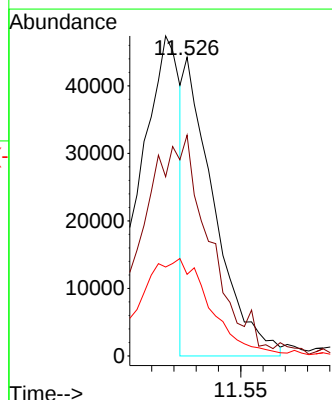
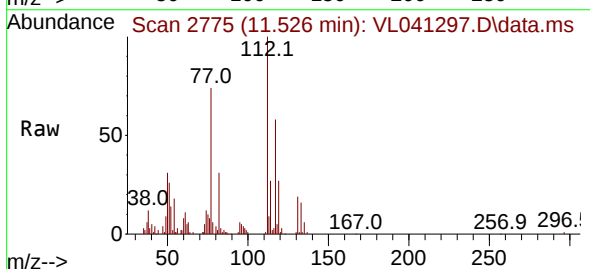
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

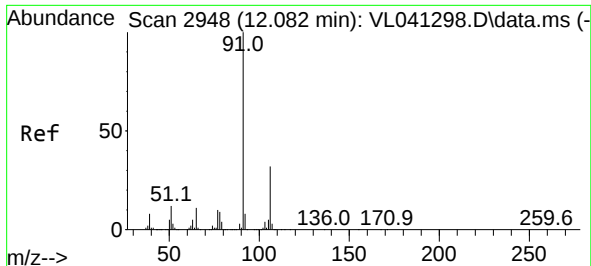
Tgt Ion:131 Resp: 52248
Ion Ratio Lower Upper
131 100
133 96.0 75.8 113.6
119 1606.5 48.3 72.5#



#57
Chlorobenzene
Concen: 0.231 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion:112 Resp: 41812
Ion Ratio Lower Upper
112 100
77 71.6 52.0 78.0
114 27.0 29.8 36.4#





#58

Ethyl Benzene

Concen: 0.464 ppbv

RT: 12.082 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

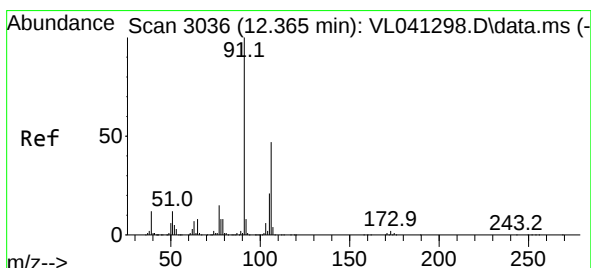
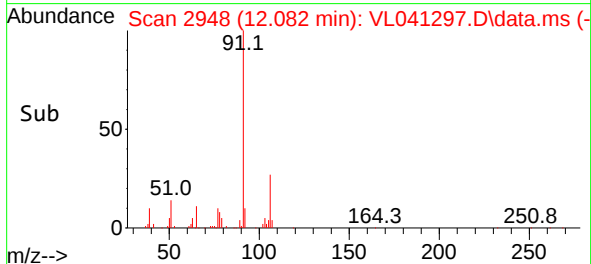
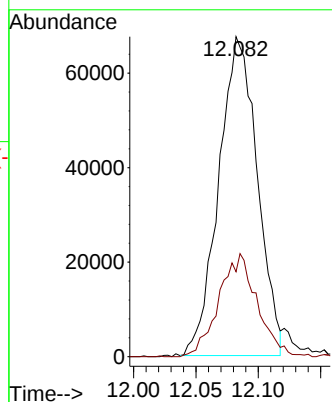
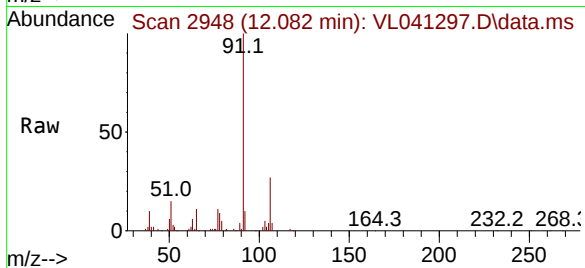
VSTDIC0.5

Tgt Ion: 91 Resp: 145210

Ion Ratio Lower Upper

91 100

106 26.7 25.5 38.3



#59

m/p-Xylene

Concen: 0.193 ppbv

RT: 12.365 min Scan# 3036

Delta R.T. -0.000 min

Lab File: VL041297.D

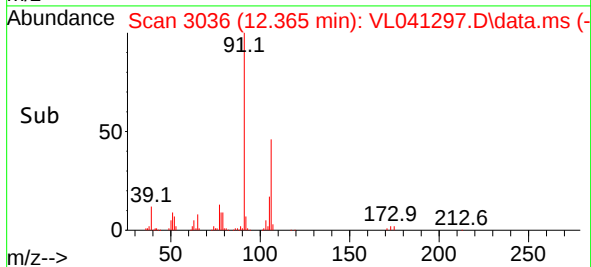
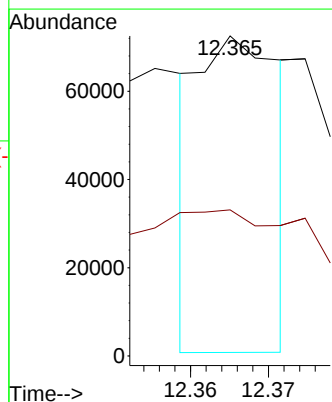
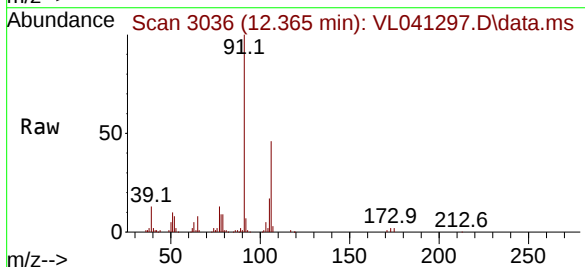
Acq: 4 Jun 2024 8:32

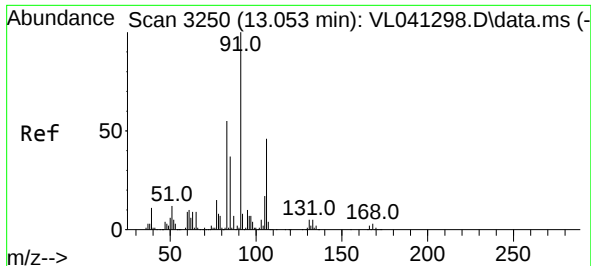
Tgt Ion: 91 Resp: 51774

Ion Ratio Lower Upper

91 100

106 235.8 35.7 53.5#

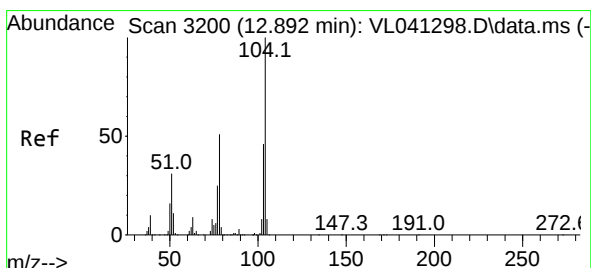
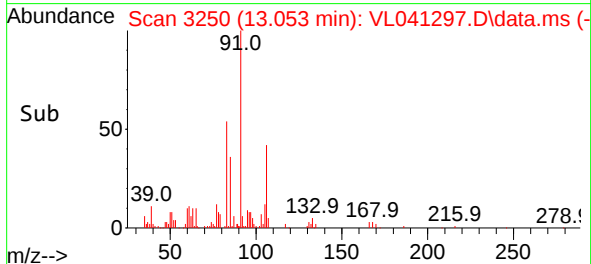
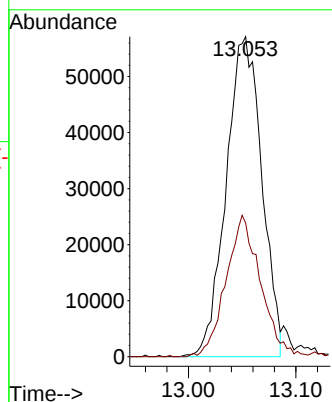
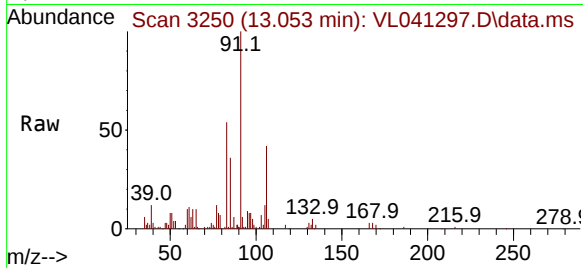




#60
o-Xylene
Concen: 0.514 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

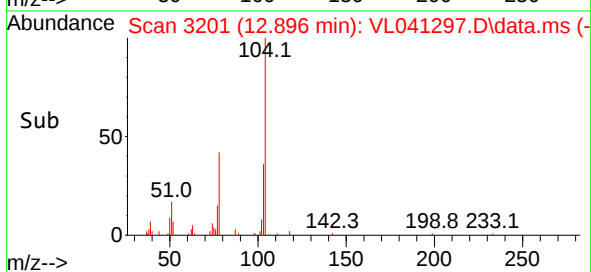
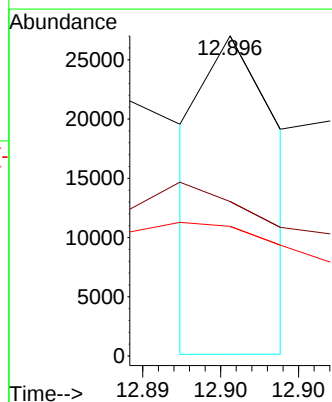
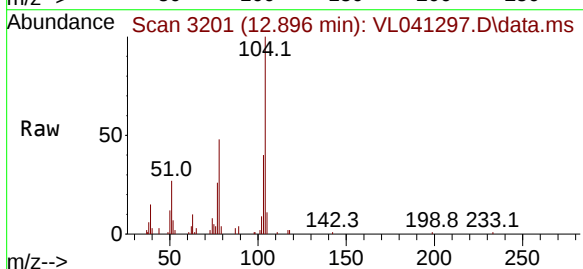
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

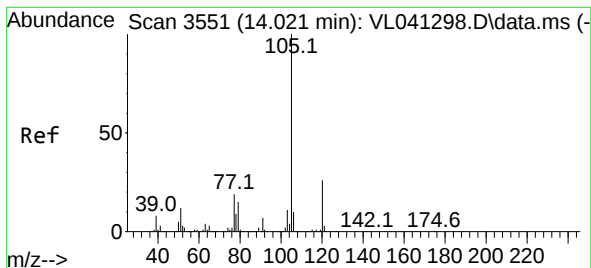
Tgt Ion: 91 Resp: 131494
Ion Ratio Lower Upper
91 100
106 43.4 22.8 68.4



#61
Styrene
Concen: 0.071 ppbv
RT: 12.896 min Scan# 3201
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 104 Resp: 8852
Ion Ratio Lower Upper
104 100
78 340.4 42.2 63.4#
103 307.2 37.9 56.9#





#62

Isopropylbenzene

Concen: 0.519 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

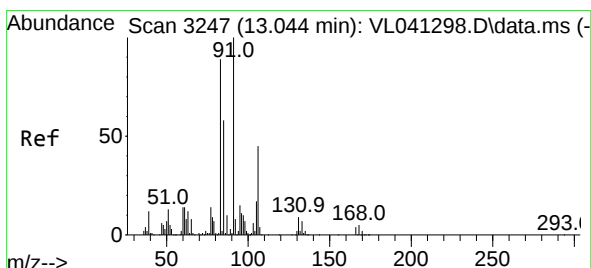
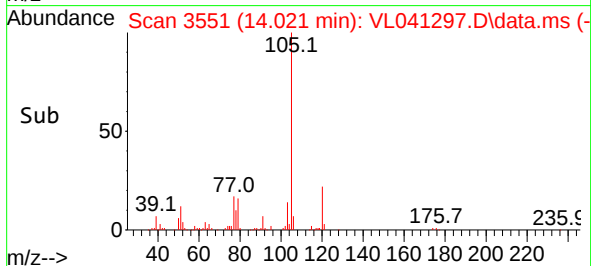
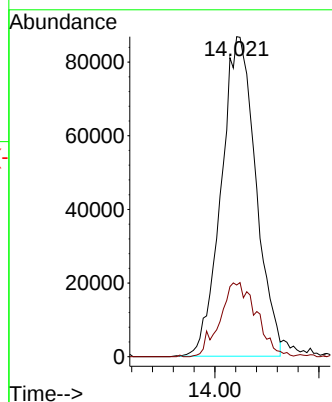
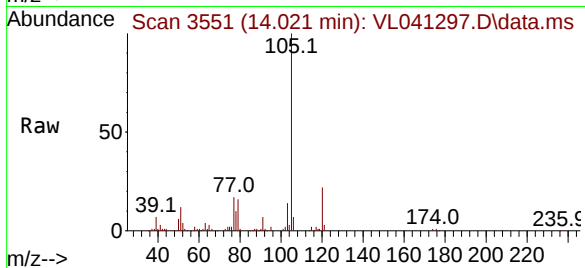
VSTDIC0.5

Tgt Ion:105 Resp: 200524

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6



#63

1,1,2,2-Tetrachloroethane

Concen: 0.322 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

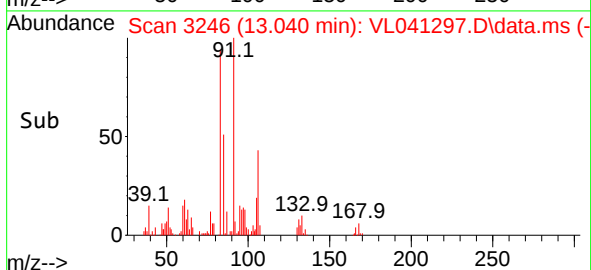
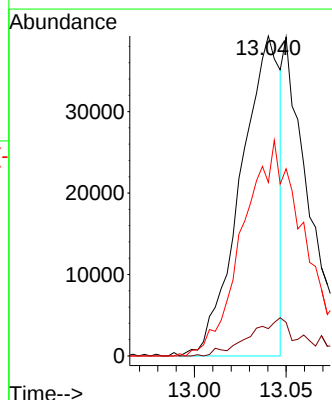
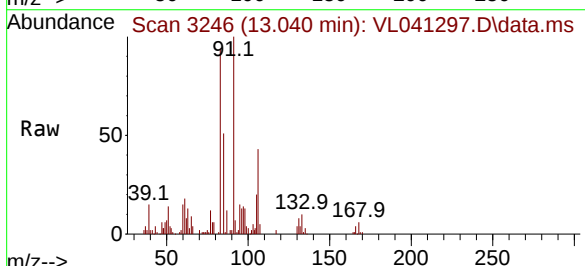
Tgt Ion: 83 Resp: 58562

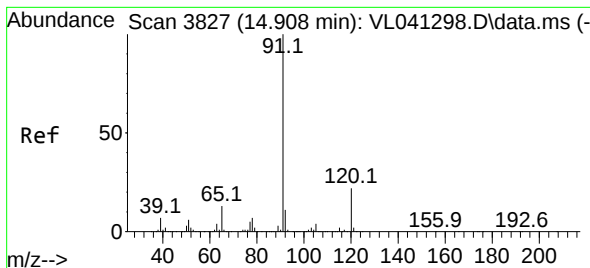
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.6 97.7#





#64

n-propylbenzene

Concen: 0.365 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.004 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

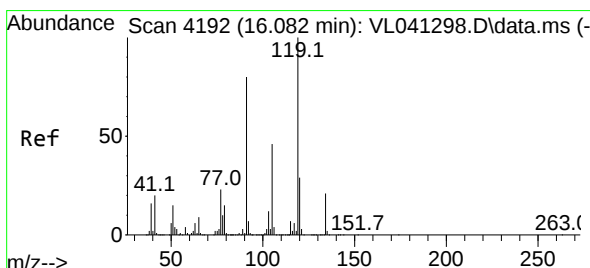
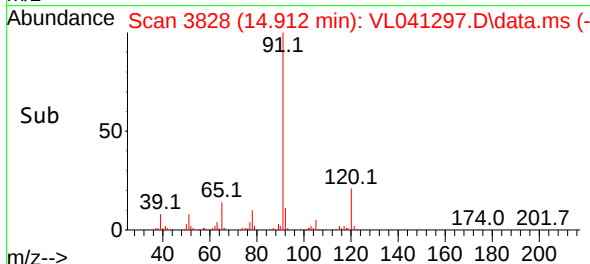
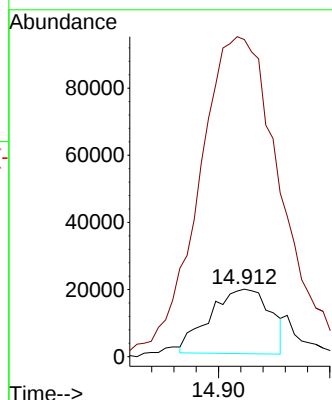
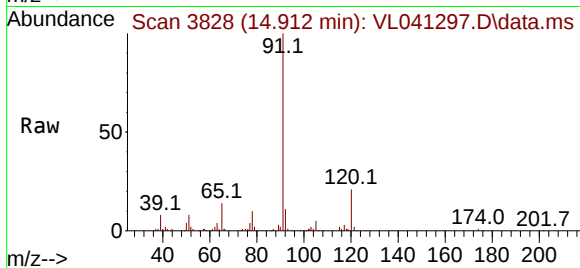
VSTDIC0.5

Tgt Ion:120 Resp: 36393

Ion Ratio Lower Upper

120 100

91 666.3 374.2 561.2#



#65

tert-Butylbenzene

Concen: 0.275 ppbv

RT: 16.082 min Scan# 4192

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

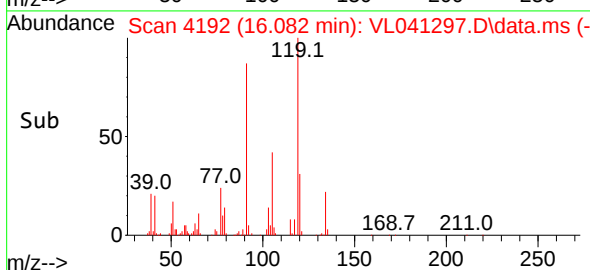
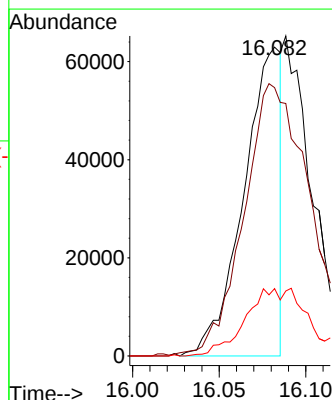
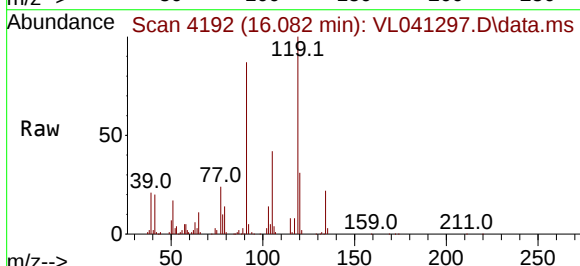
Tgt Ion:119 Resp: 94482

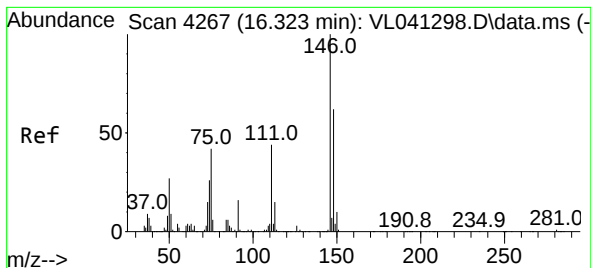
Ion Ratio Lower Upper

119 100

91 164.3 66.5 99.7#

134 0.0 15.7 23.5#

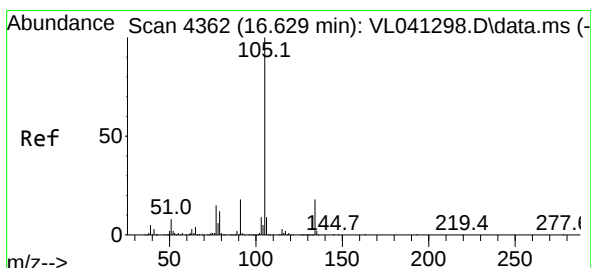
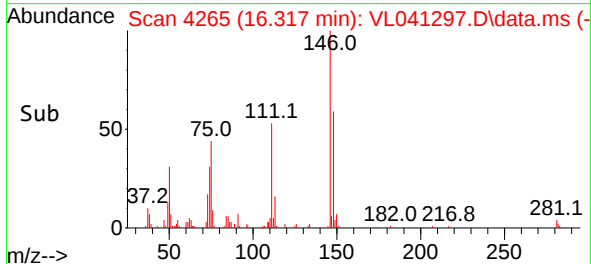
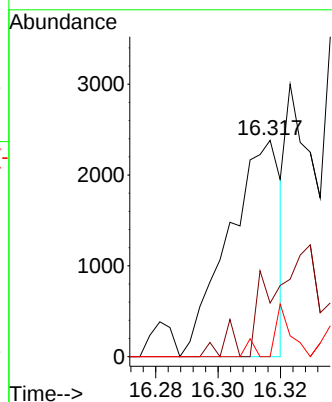
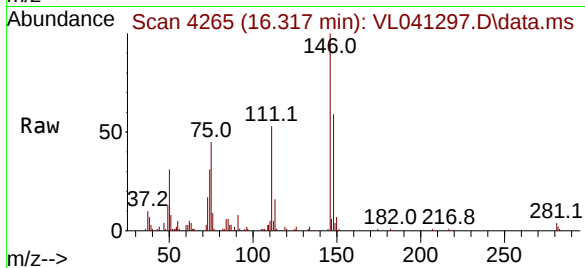




#66
Benzyl Chloride
Concen: 0.122 ppbv
RT: 16.317 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

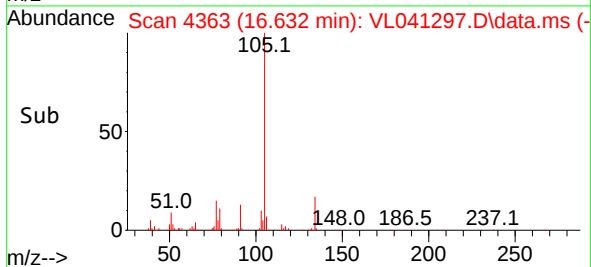
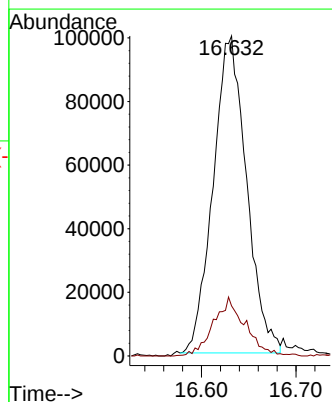
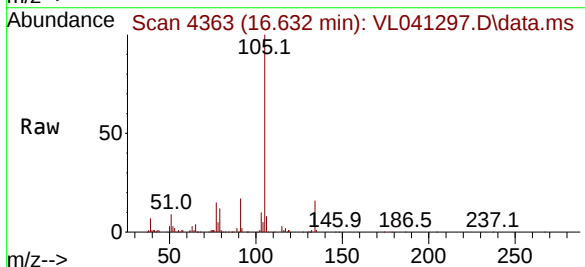
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

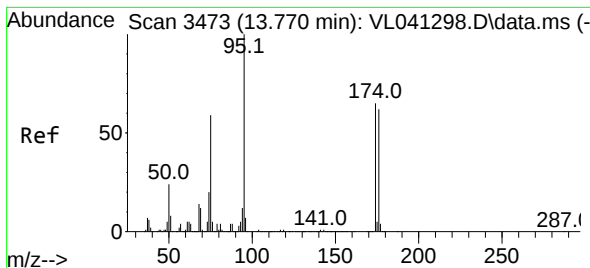
Tgt Ion: 91 Resp: 2749
Ion Ratio Lower Upper
91 100
126 78.8 13.4 20.2#
128 13.0 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.503 ppbv
RT: 16.632 min Scan# 4363
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 105 Resp: 244415
Ion Ratio Lower Upper
105 100
134 17.8 14.3 21.5

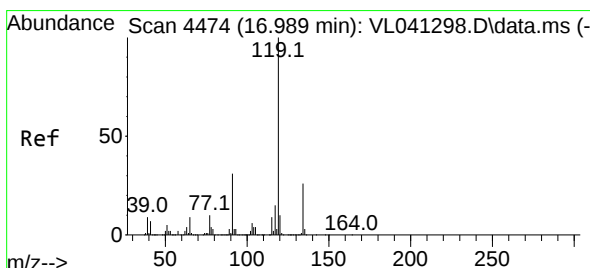
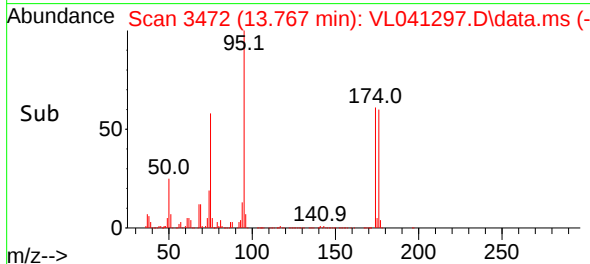
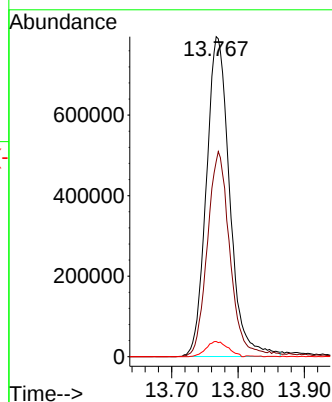
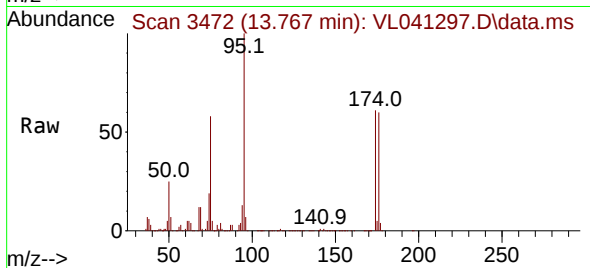




#68
1-Bromo-4-Fluorobenzene
Concen: 10.305 ppbv
RT: 13.767 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

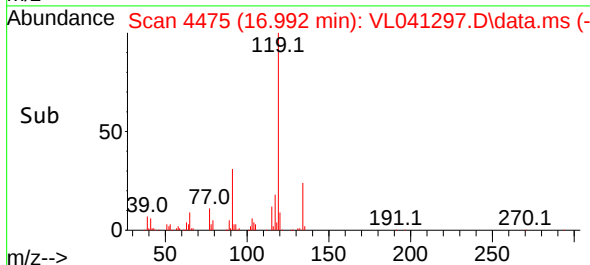
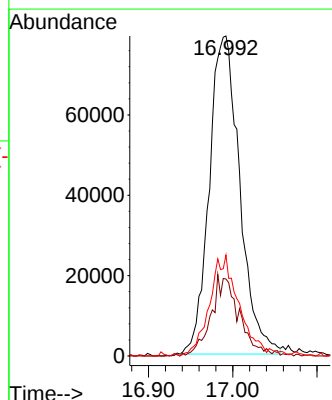
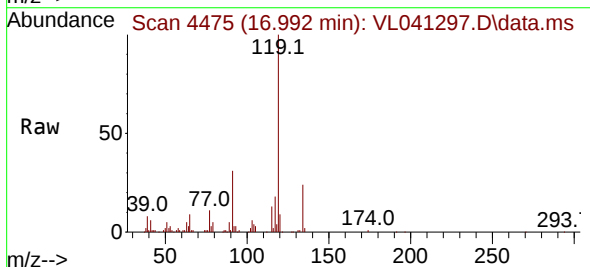
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

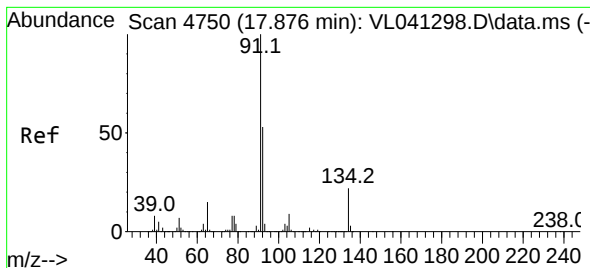
Tgt Ion: 95 Resp: 1942626
Ion Ratio Lower Upper
95 100
174 63.8 52.2 78.2
175 4.6 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.498 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion: 119 Resp: 199392
Ion Ratio Lower Upper
119 100
134 23.8 20.1 30.1
91 31.5 24.1 36.1





#70

n-Butylbenzene

Concen: 0.484 ppbv

RT: 17.879 min Scan# 4750

Delta R.T. 0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

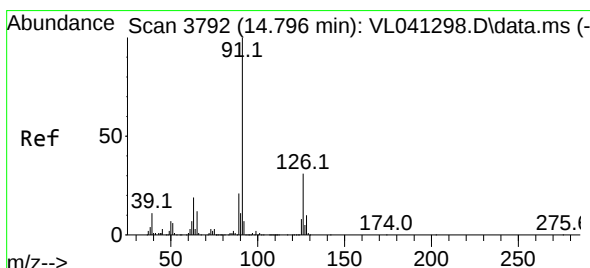
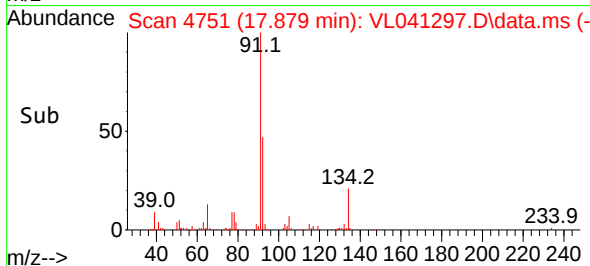
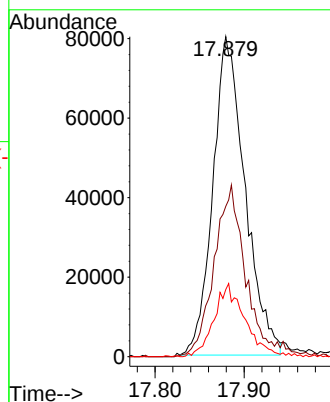
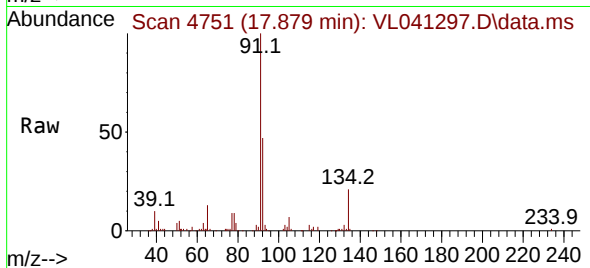
Tgt Ion: 91 Resp: 201058

Ion Ratio Lower Upper

91 100

92 53.8 42.9 64.3

134 22.2 17.9 26.9



#71

2-Chlorotoluene

Concen: 0.279 ppbv

RT: 14.796 min Scan# 3792

Delta R.T. -0.000 min

Lab File: VL041297.D

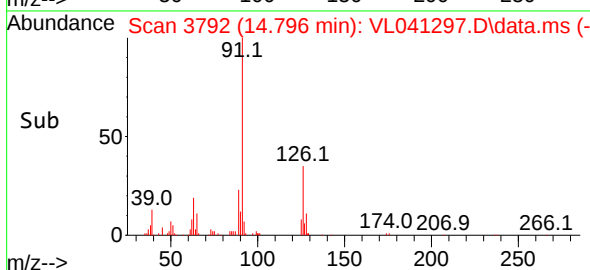
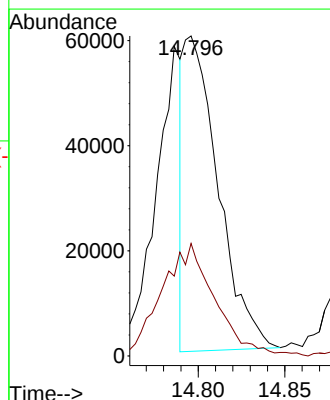
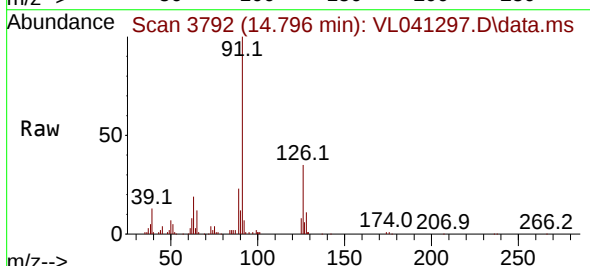
Acq: 4 Jun 2024 8:32

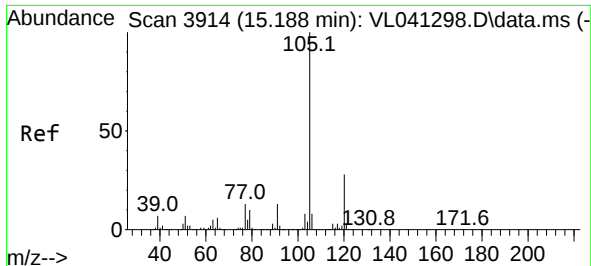
Tgt Ion: 91 Resp: 82581

Ion Ratio Lower Upper

91 100

126 56.5 12.4 49.8#

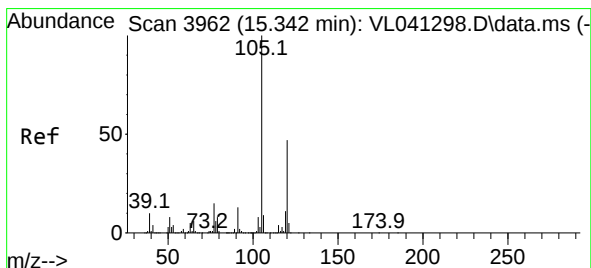
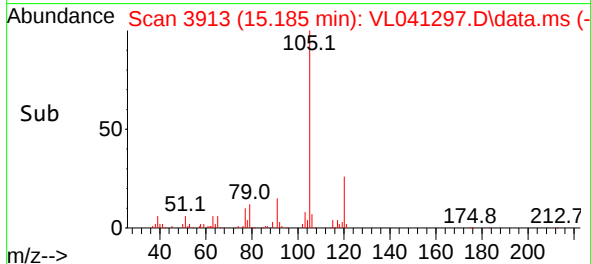
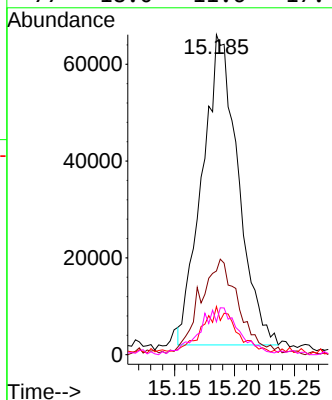
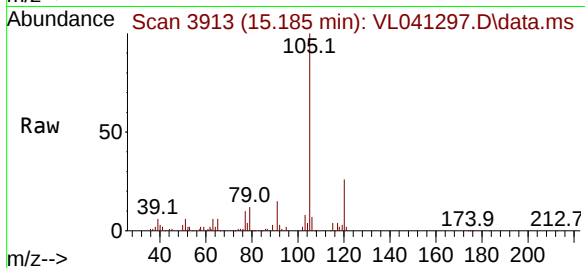




#72
4-Ethyltoluene
Concen: 0.448 ppbv
RT: 15.185 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

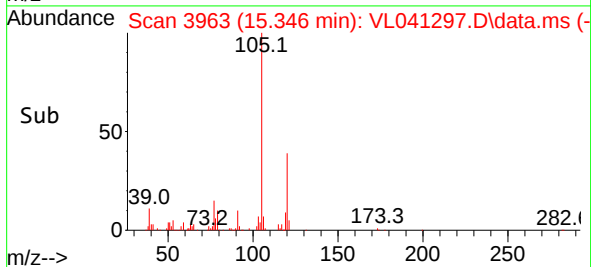
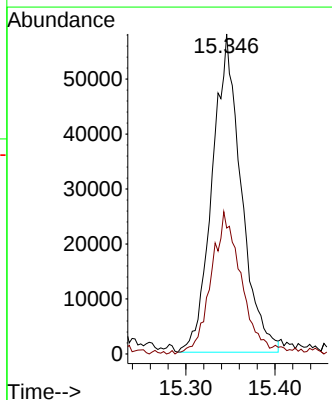
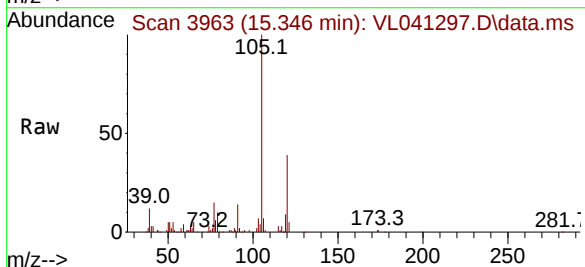
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

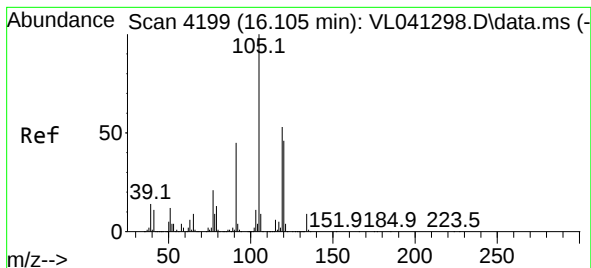
Tgt Ion:105 Resp: 133547
Ion Ratio Lower Upper
105 100
120 33.9 23.7 35.5
91 13.5 10.6 16.0
77 18.0 11.6 17.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.508 ppbv
RT: 15.346 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VL041297.D
Acq: 4 Jun 2024 8:32

Tgt Ion:105 Resp: 131226
Ion Ratio Lower Upper
105 100
120 39.0 37.8 56.8





#74

1,2,4-Trimethylbenzene

Concen: 0.498 ppbv

RT: 16.101 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 145533

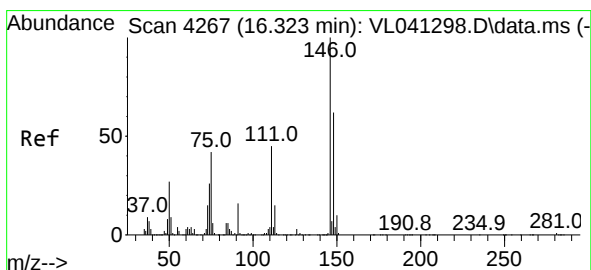
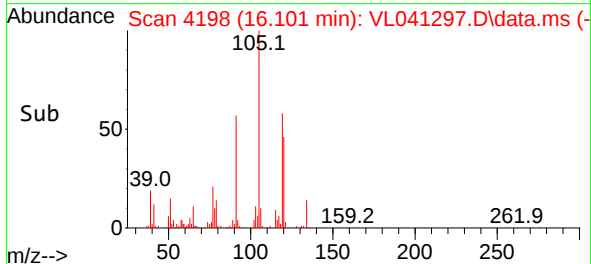
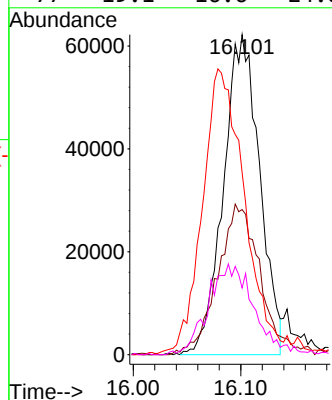
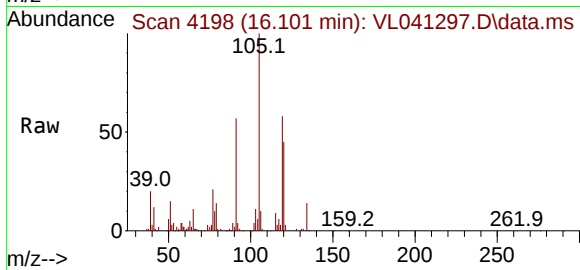
Ion Ratio Lower Upper

105 100

120 44.6 37.0 55.6

91 52.5 36.2 54.4

77 19.1 16.6 24.8



#75

1,3-Dichlorobenzene

Concen: 0.513 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. -0.000 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

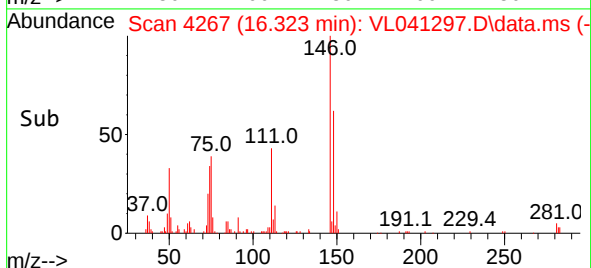
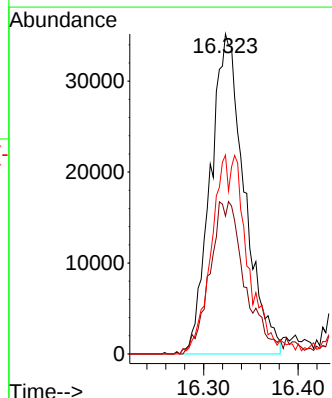
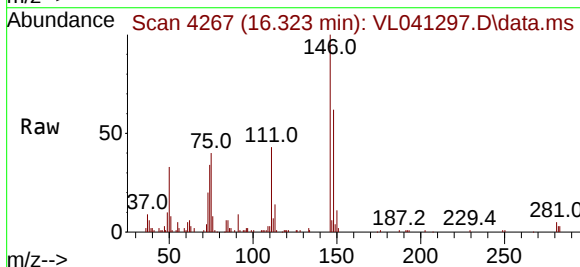
Tgt Ion:146 Resp: 88087

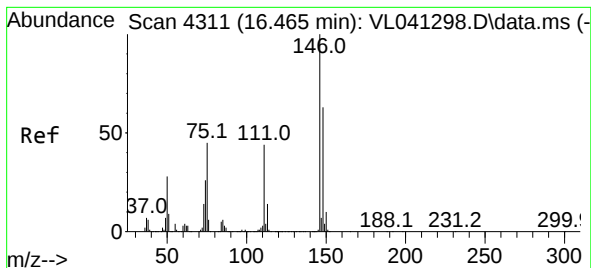
Ion Ratio Lower Upper

146 100

111 51.2 23.3 69.8

148 66.9 32.2 96.6





#76

1,4-Dichlorobenzene

Concen: 0.480 ppbv

RT: 16.471 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

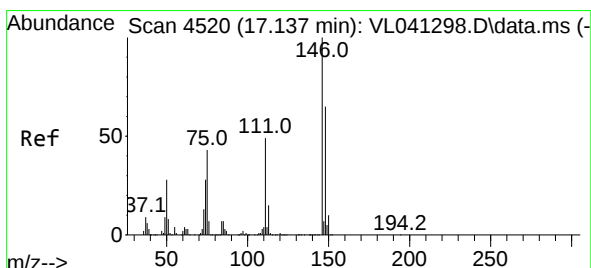
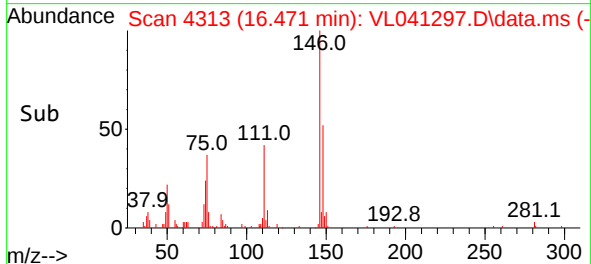
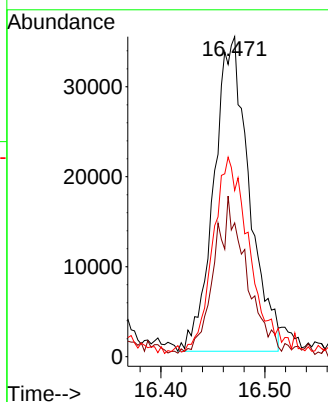
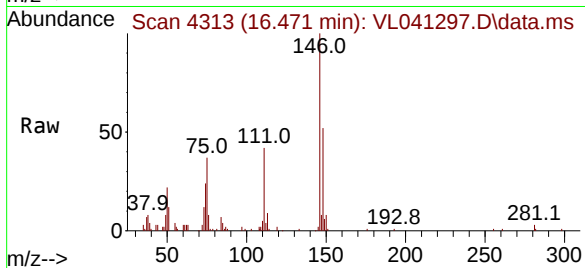
Tgt Ion:146 Resp: 82266

Ion Ratio Lower Upper

146 100

111 50.8 23.3 69.9

148 68.5 32.9 98.6



#77

1,2-Dichlorobenzene

Concen: 0.295 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

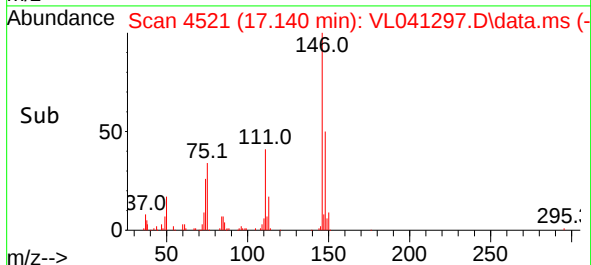
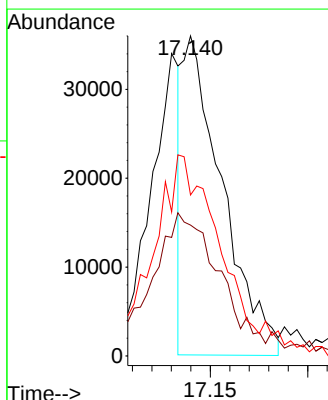
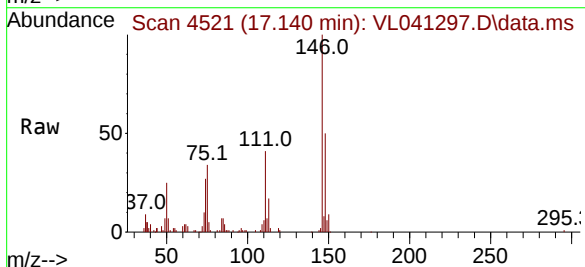
Tgt Ion:146 Resp: 50593

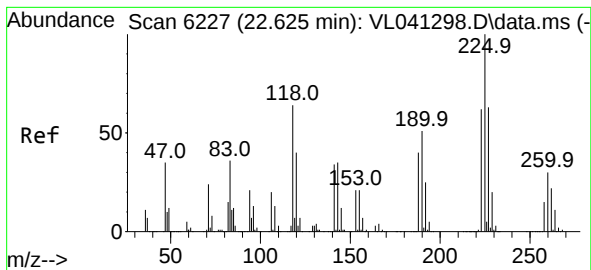
Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.9#

148 0.0 32.0 96.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.286 ppbv

RT: 22.628 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

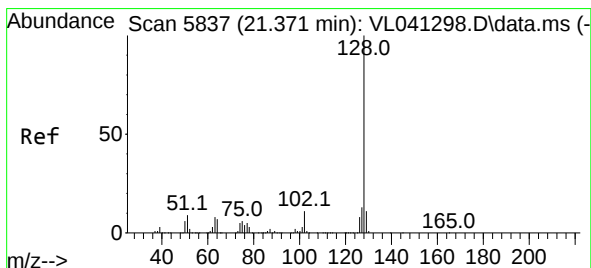
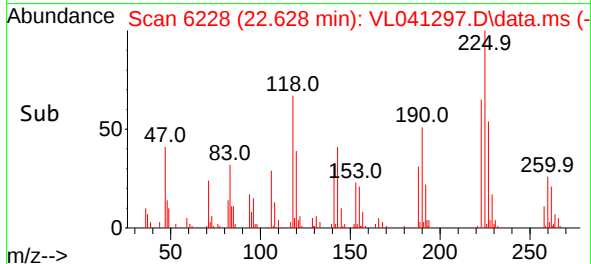
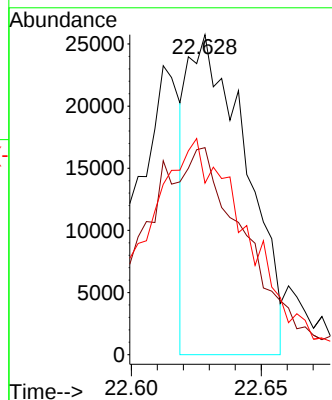
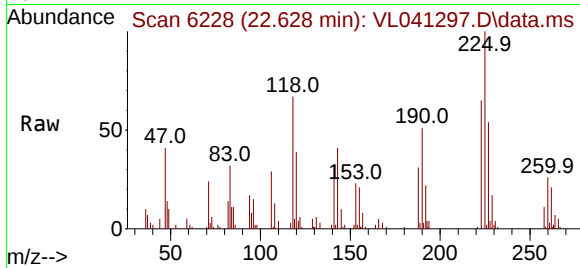
Tgt Ion:225 Resp: 40267

Ion Ratio Lower Upper

225 100

223 121.6 51.0 76.6#

227 126.8 51.1 76.7#



#79

Naphthalene

Concen: 0.207 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.006 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

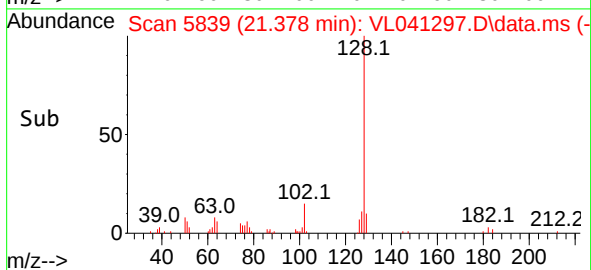
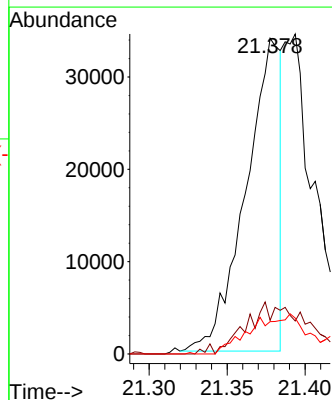
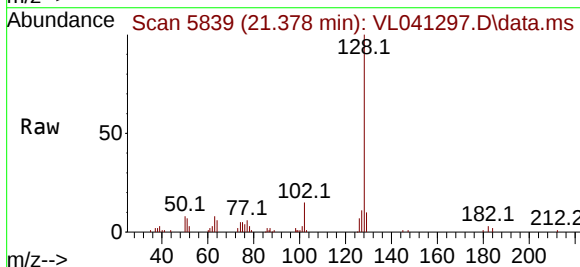
Tgt Ion:128 Resp: 52460

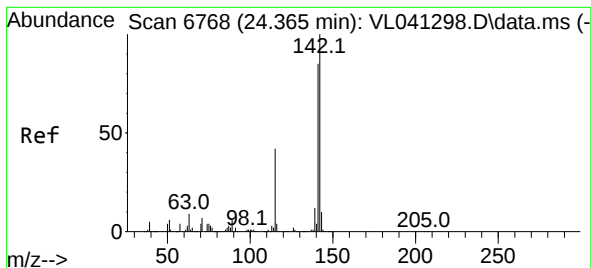
Ion Ratio Lower Upper

128 100

127 10.7 10.5 15.7

129 10.3 9.1 13.7





#80

Naphthalene, 2-methyl-

Concen: 0.182 ppbv

RT: 24.377 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

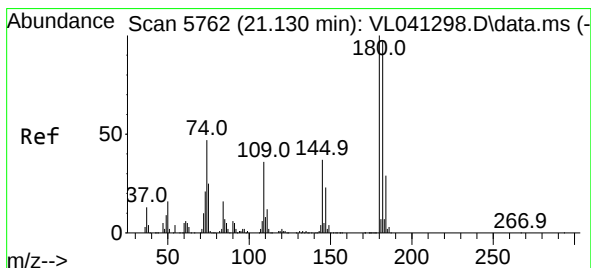
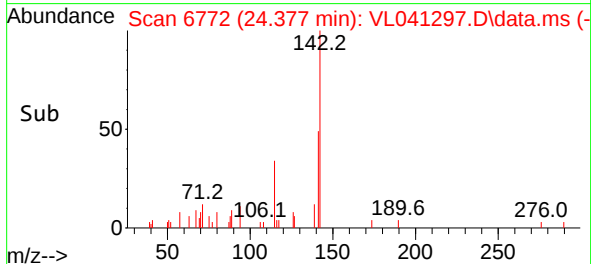
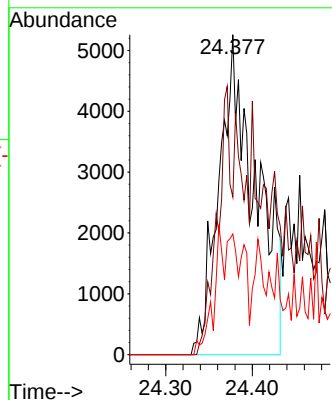
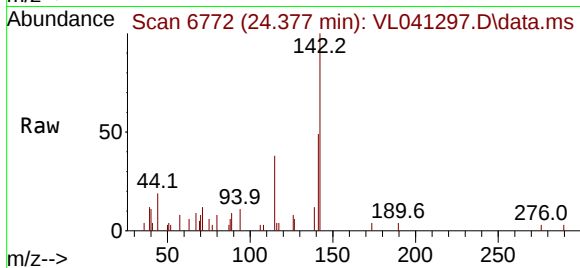
Tgt Ion:142 Resp: 15604

Ion Ratio Lower Upper

142 100

141 122.4 68.5 102.7#

115 58.7 32.6 49.0#



#81

1,2,4-Trichlorobenzene

Concen: 0.205 ppbv

RT: 21.133 min Scan# 5763

Delta R.T. 0.003 min

Lab File: VL041297.D

Acq: 4 Jun 2024 8:32

Tgt Ion:180 Resp: 28987

Ion Ratio Lower Upper

180 100

182 215.4 77.0 115.6#

184 63.2 0.0 0.0#

